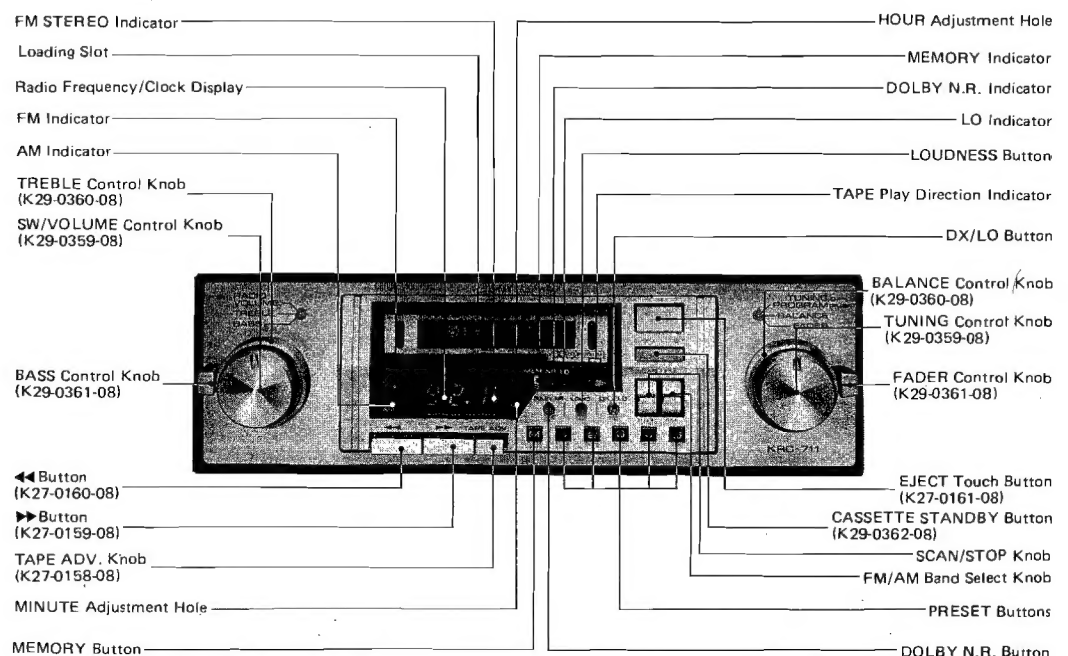


CASSETTE RECEIVER

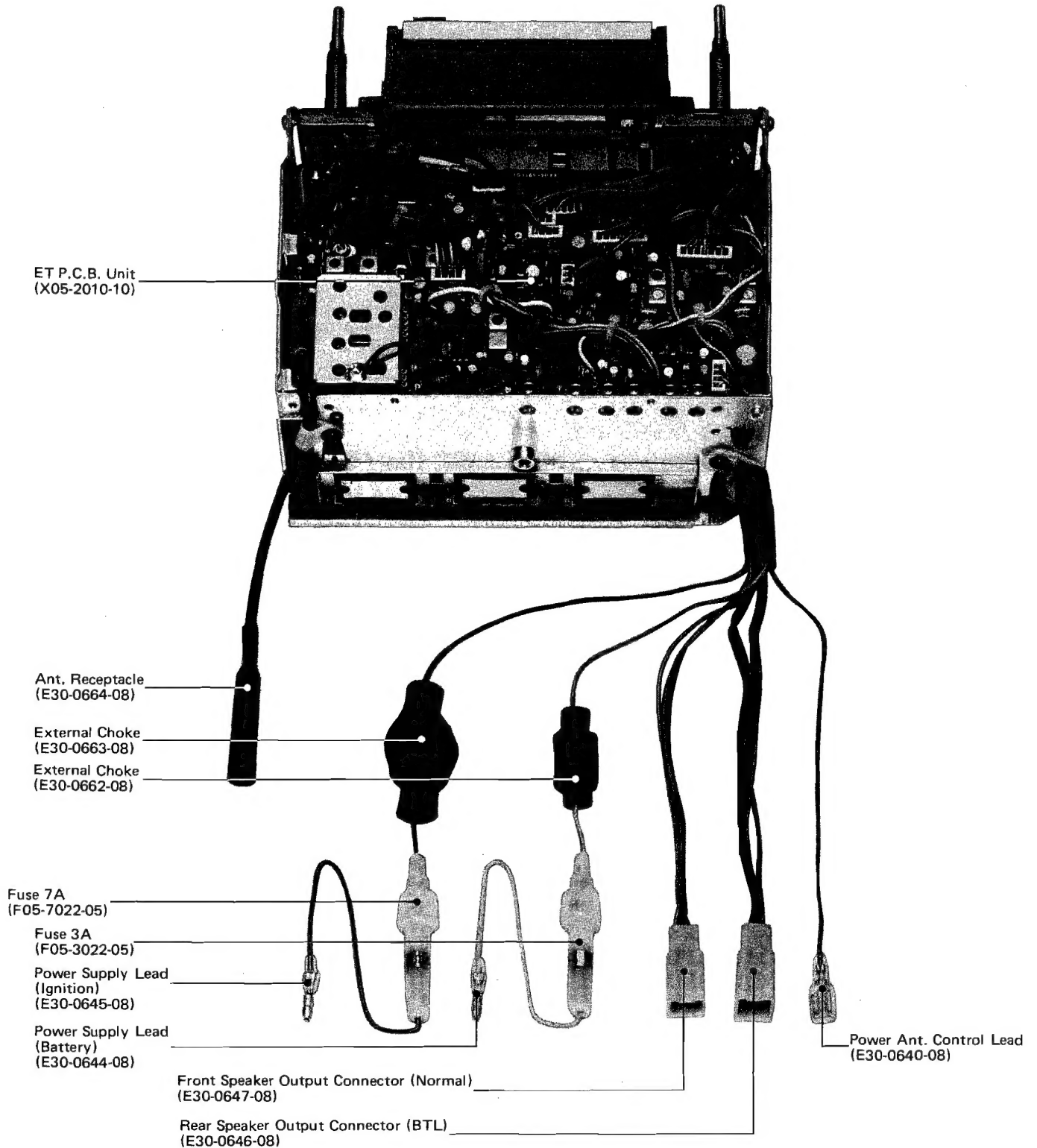
This Service Manual applies to units with Serial Numbers starting from 10900001. Refer to the previous Service Manual (Part No. B51-0718-08) for units with Serial Numbers 00900001 to 10801320.

Comparison of differences

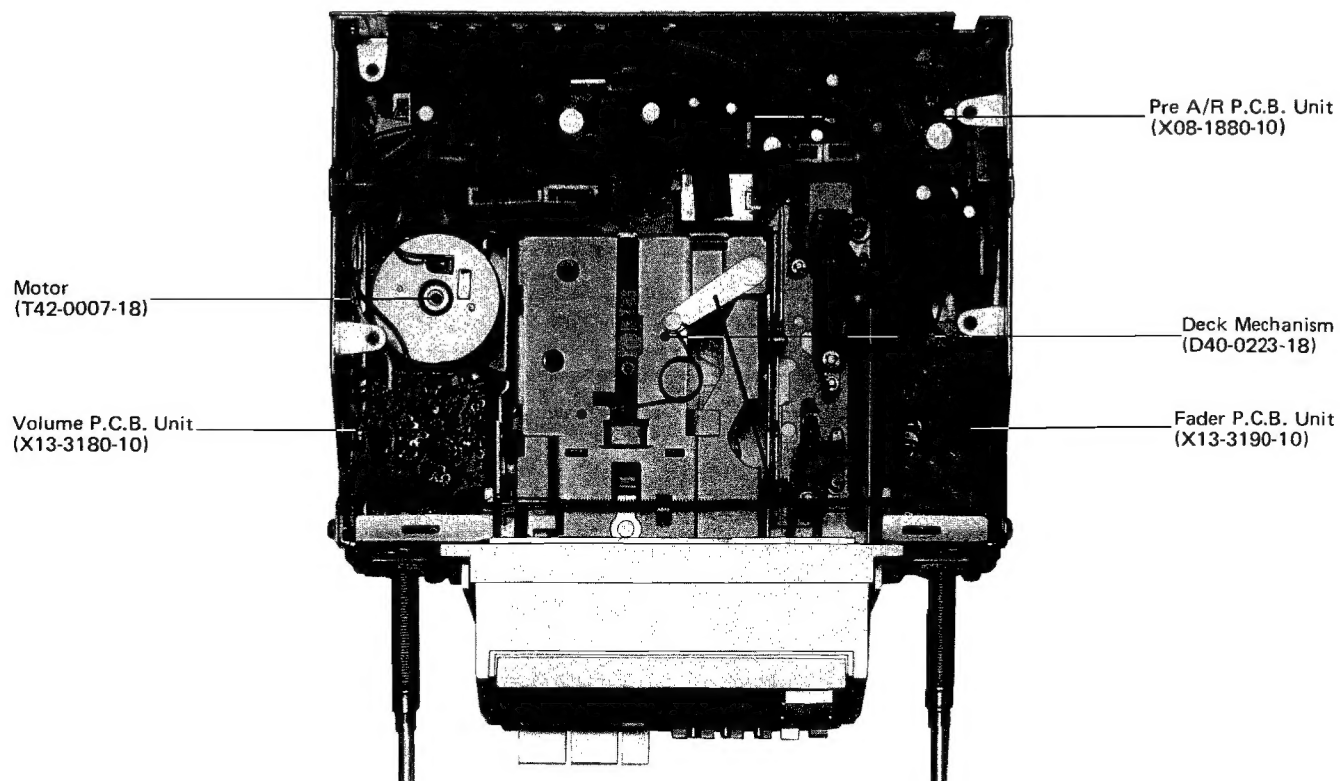
Items		S/No. 00900001-10801320	S/No. 10900001-
ANRC		ON/OFF SW is provided.	Always ON (SW is provided.
Lo/DX		Common to ANRC SW	Exclusive SW (Functions only in Auto Tuning mode for selection by Scan Sensitivity.)
FM Scan Sensitivity Level	DX	14.8 dBf (1.5 μ V/75 Ω)	31.3 dBf (10 μ V/75 Ω)
	Local	24.8 dBf (4.7 μ V/75 Ω)	51.3 dBf (100 μ V/75 Ω)
FM Cassette Standby Function Level	DX	14.8 dBf (1.5 μ V/75 Ω)	31.3 dBf (10 μ V/75 Ω)
	Local	24.8 dBf (4.7 μ V/75 Ω)	31.3 dBf (10 μ V/75 Ω)
Others			Some changes have been made to mechanisms, assemblies and PCBs for improved serviceability.



WIRES AND INTERNAL VIEW



INTERNAL VIEW



DISASSEMBLY

1. Removal of Top Cover

- (1) Remove four screws as shown in Fig. 1.
- (2) Lift up the Top Cover in the direction of the arrow as shown in Fig. 1.

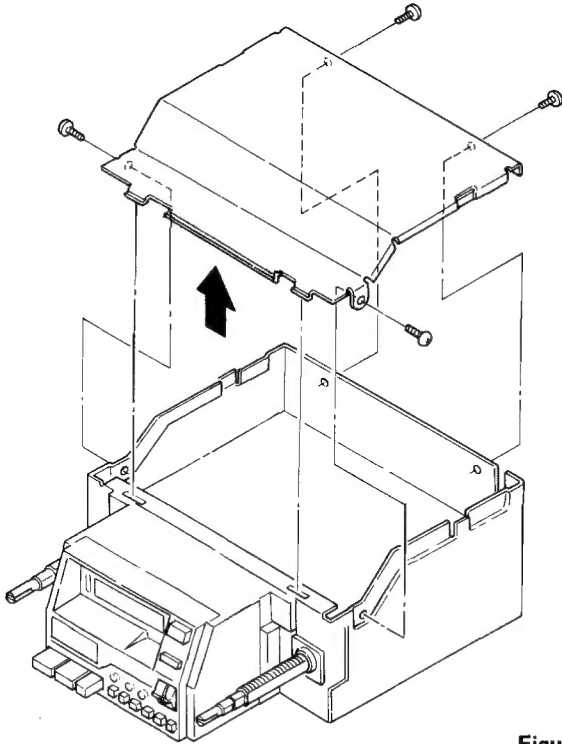


Figure 1

3. Removal of Bottom Cover

- (1) Remove four screws as shown in Fig. 3.
- (2) Remove the Bottom Cover in the direction of the arrow as shown in Fig. 3.

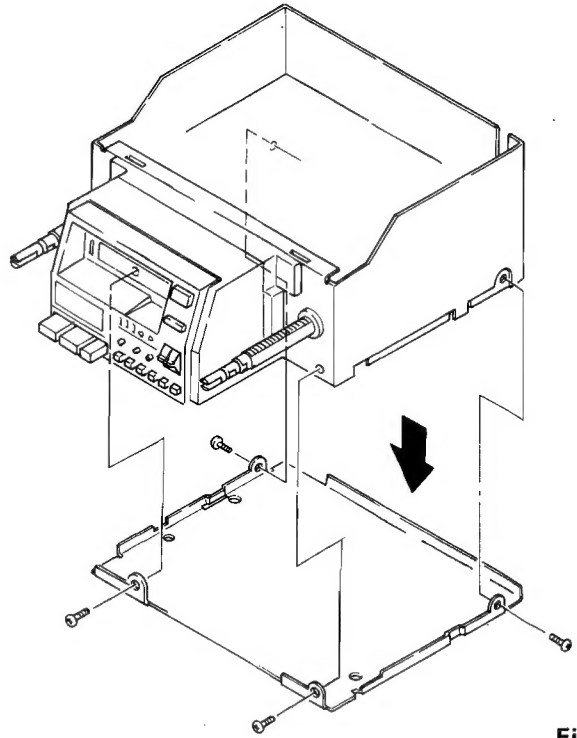


Figure 3

2. Removal of ET P.C.B.

- (1) Remove five screws as shown in Fig. 2.
- (2) Remove all connectors from the P.C.B.
- (3) Remove the ET P.C.B. in the direction of the arrow as shown in Fig. 2.

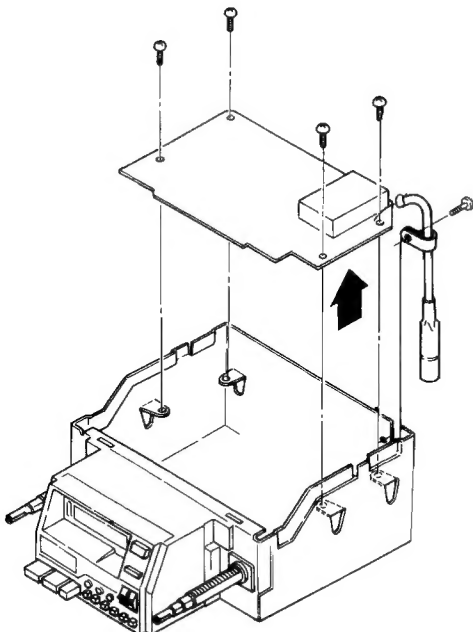


Figure 2

DISASSEMBLY

4. Removal of Synthesizer P.C.B.

- (1) Remove three screws as shown in Fig. 4.
- (2) Disconnect all wires from the P.C.B.
- (3) Remove the Synthesizer P.C.B. in the direction of the arrow as shown in Fig. 4.

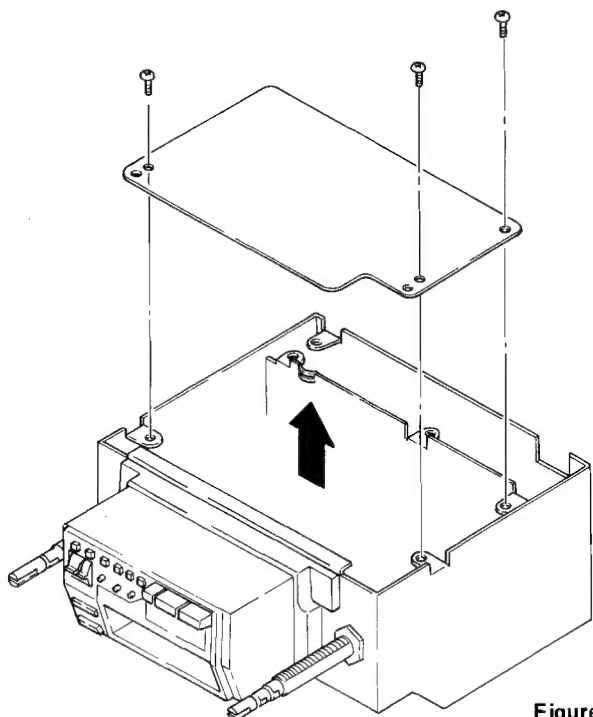


Figure 4

5. Removal of Nose Piece

- (1) Remove four screws as shown in Fig. 5.
- (2) Disconnect all wires from the P.C.B.
- (3) Remove the Nose Piece in the direction of the arrow as shown in Fig. 5.

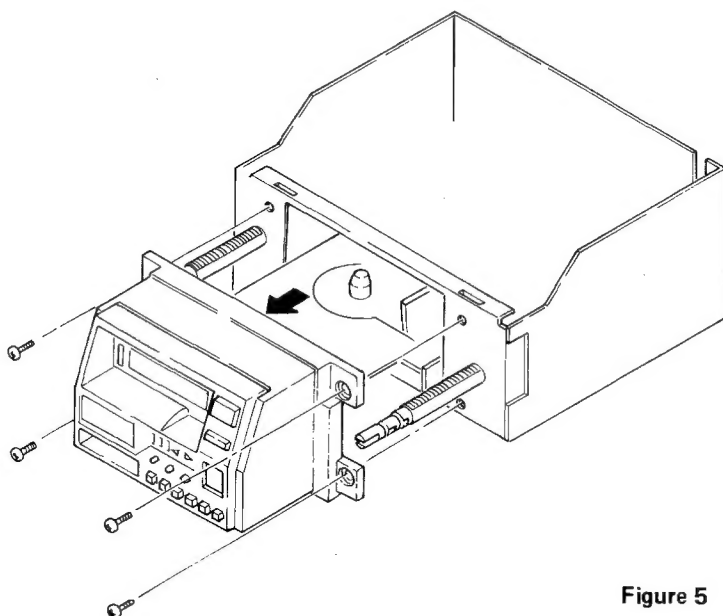


Figure 5

6. Removal of Eject SW P.C.B.

- (1) Remove two screws as shown in Fig. 6.
- (2) Disconnect all wires from the P.C.B.

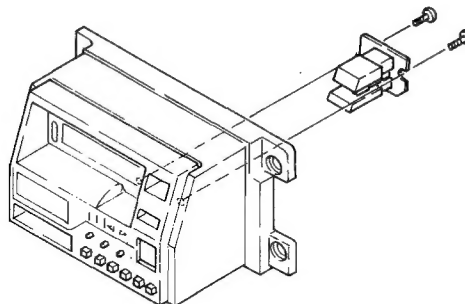


Figure 6

7. Removal of Side Chassis

- (1) Remove twelve screws as shown in Fig. 7.

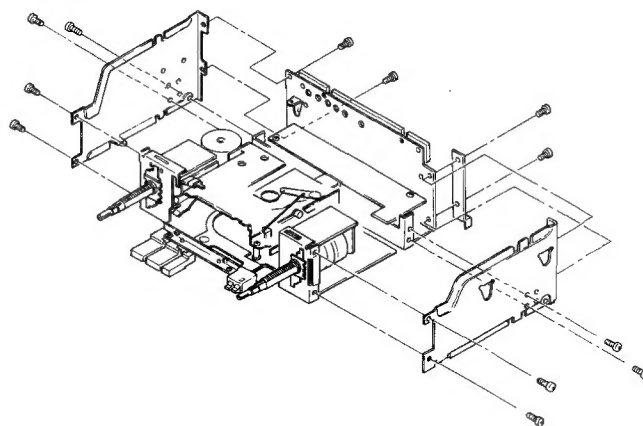


Figure 7

DISASSEMBLY

8. Removal of Pre-A/R P.C.B.

- (1) Remove two screws as shown in Fig. 8.
- (2) Disconnect all wires from the P.C.B.

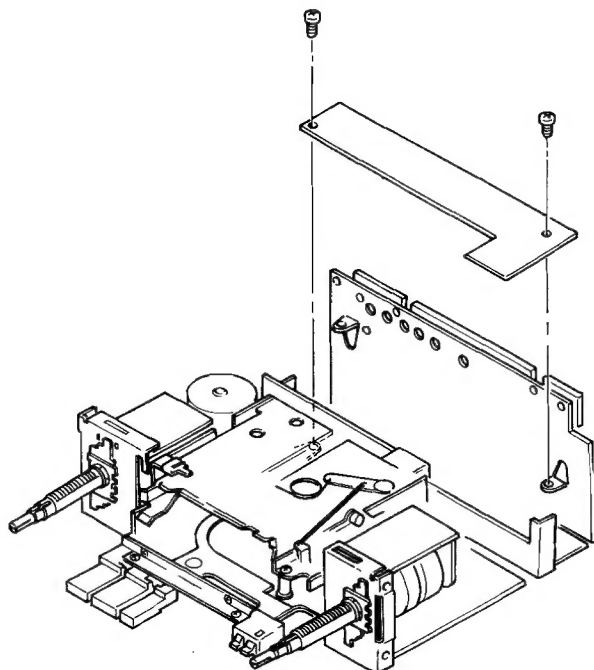


Figure 8

10. Removal of Bkt. SW

- (1) Remove two screws as shown in Fig. 10.
- (2) Disconnect all wires from the P.C.B.

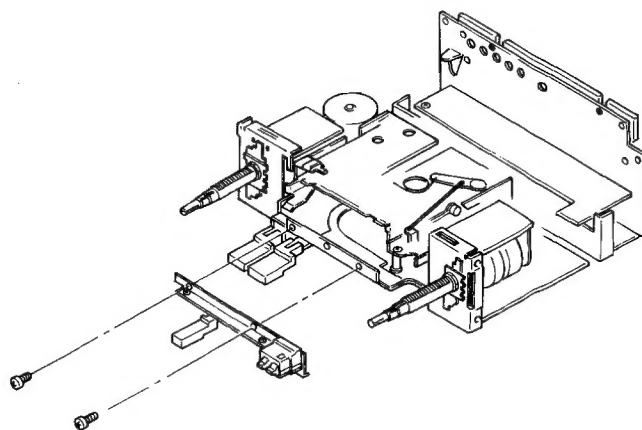


Figure 10

9. Removal of Main Amp P.C.B.

- (1) Remove one screw as shown in Fig. 9.
- (2) Remove dipping solder on point A.
- (3) Disconnect all wires from the P.C.B.
- (4) The main amp P.C.B. can be completely removed with the rear cover and the heat sink.

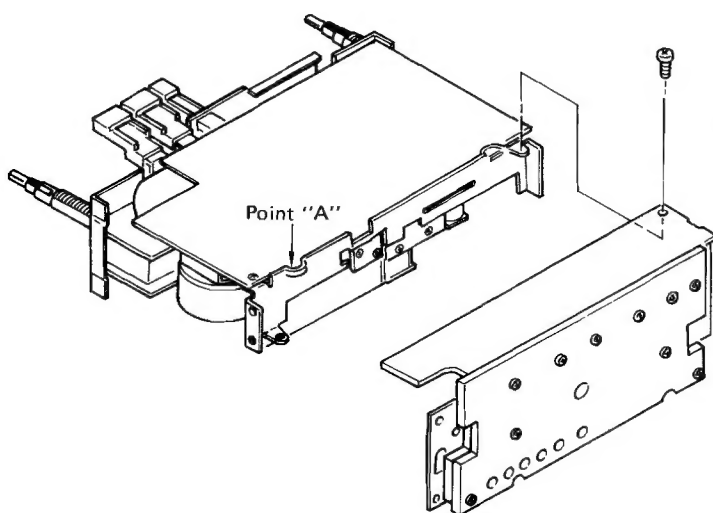


Figure 9

11. Removal of Volume P.C.B. and Fader P.C.B.

- (1) Remove two nuts, six brackets and one washer as shown in Fig. 11.
- (2) Disconnect all wires from the P.C.B.

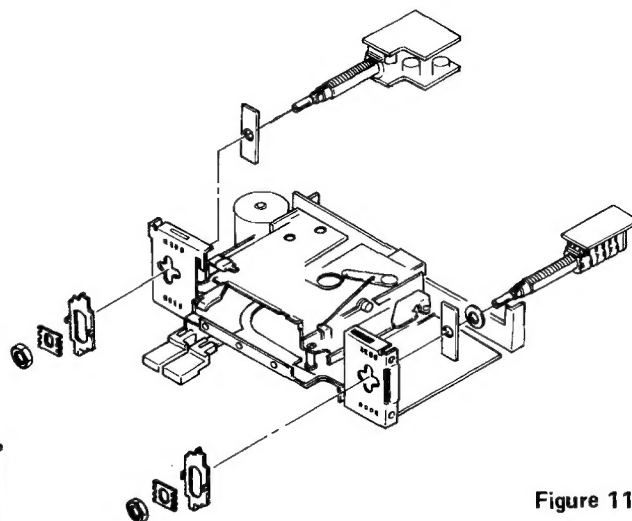
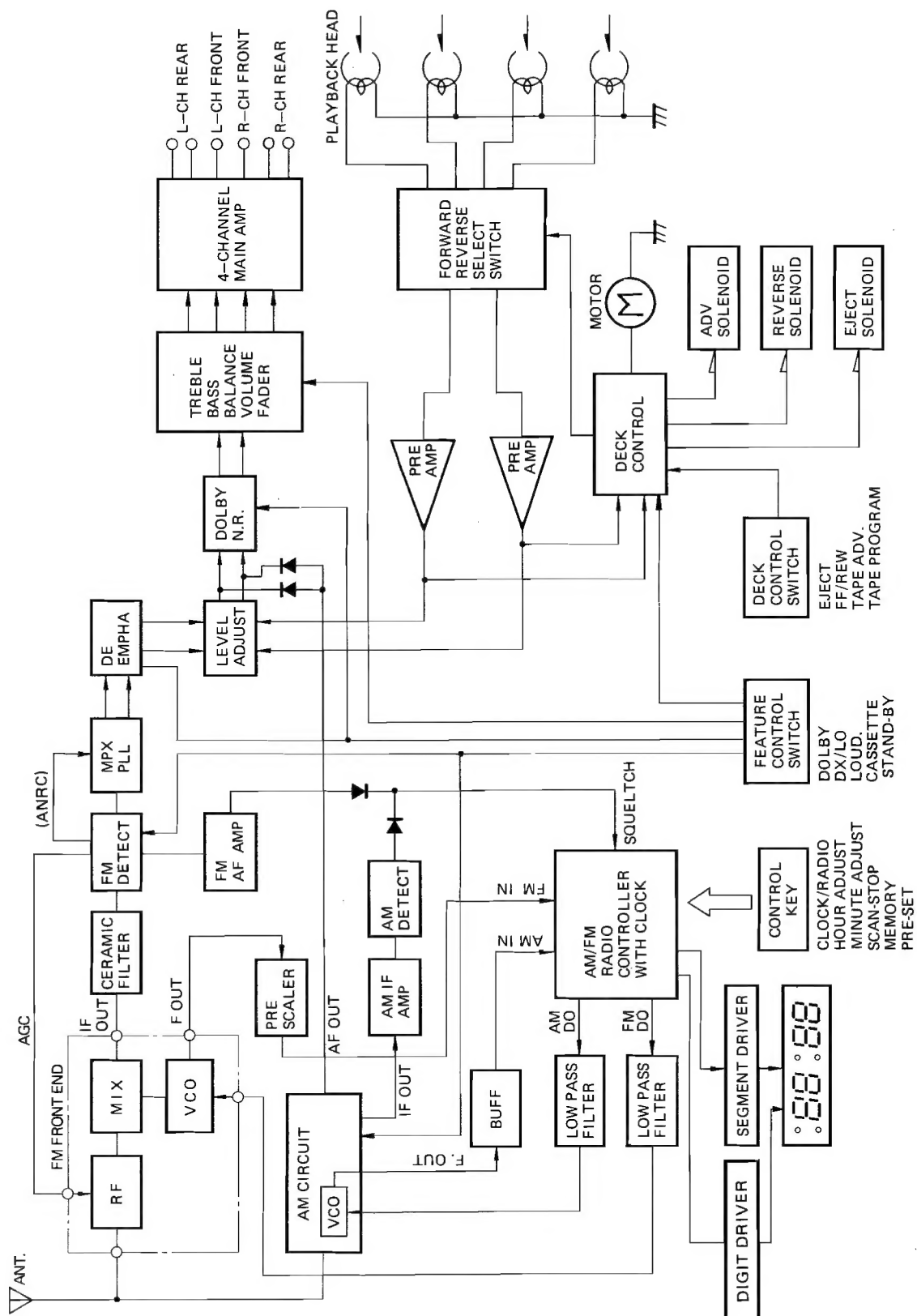


Figure 11

BLOCK DIAGRAM



ADJUSTMENT

AM SECTION

(1) Connection

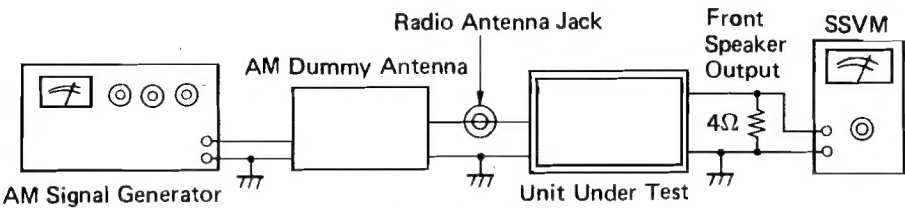
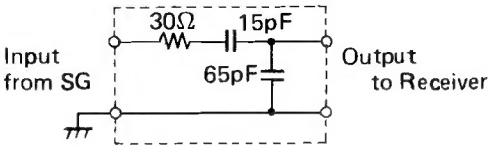


Figure 12-1



for 50Ω AM Signal Generator (Open Circuit)

Figure 13 Dummy Antenna

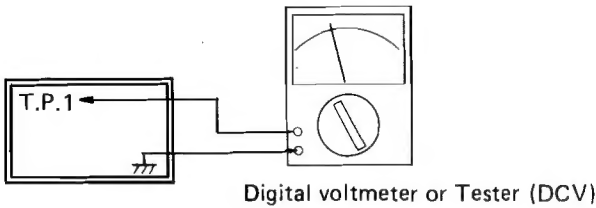


Figure 12-2

(2) Adjustment Procedure

Step	Description	Connection	Generator Freq.	Dial Control	Remarks
1	Band Covering	Figure 12-2	—	1,610kHz	CT102 for $V_T = 8.00V$ (DC)
2	Band Covering	Figure 12-2	—	530kHz	T102 for $V_T = 1.50V$ (DC)
3	Band Covering	Figure 12-2	—		Repeat steps 1 and 2
4	IF Adjustment	Figure 12-1	530kHz 30dB	530kHz	T104, through T107 for Max. Output
5	Tracking	Figure 12-1	600kHz 30dB	600kHz	T101 and T103 for Max. Output
6	Tracking	Figure 12-1	1,400kHz 30dB	1,400kHz	CT101 and CT103 for Max. Output
7	Tracking	Figure 12-1			Repeat steps 5 and 6

Note: Set the frequency of the AM signal generator accurately to 530kHz, 600kHz, 1,400kHz or 1,610kHz, as appropriate, with a frequency counter, a marker oscillator, or the like.

ADJUSTMENT

FM SECTION

(1) Connection

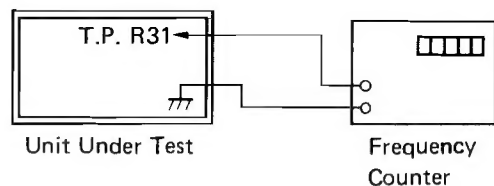
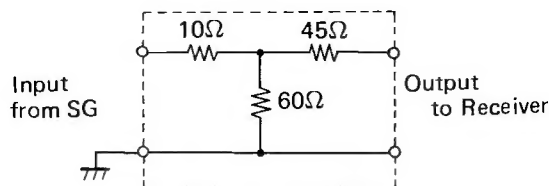


Figure 14

Dummy Antenna



for 50Ω FM Signal Generator (Open Circuit)

Figure 15

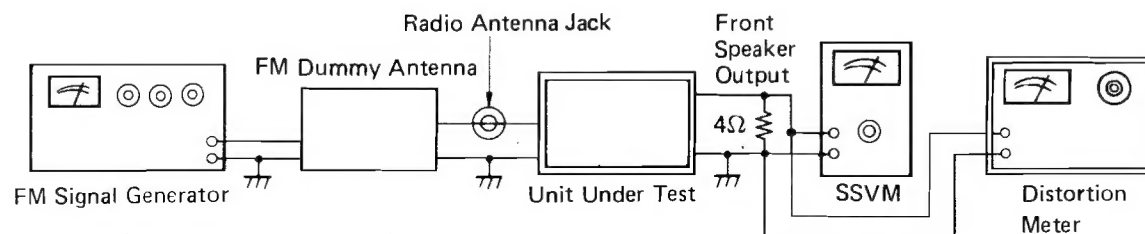


Figure 16

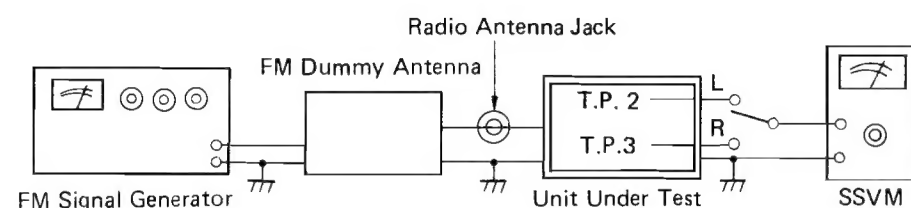


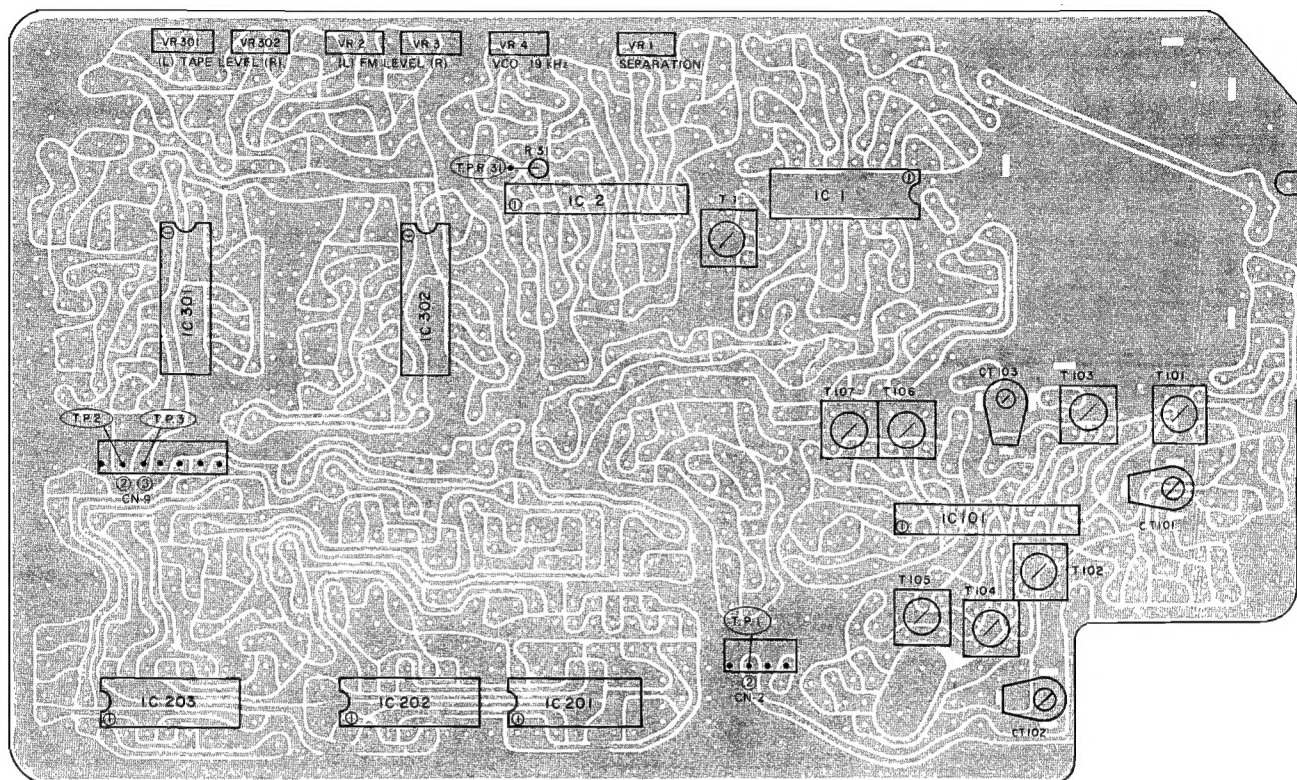
Figure 17

(2) Adjustment Procedure

Step	Description	Connection	General Freq.	Dial Control	Remarks
1	IF Adjust-ment	Figure 16	100μV input at 88.1MHz	88.1MHz	TI for Min. Distortion
2	Free-running frequency adjustment	Figure 14	No signal	—//—	VR4 for 10kHz
3	Stereo Separation adjustment	Figure 16	100μV input at 100.1MHz (MOD: 1kHz Stereo)	100.1MHz	VR1 for Max. Separation
4	FM Dolby level adjust-ment	Figure 17	100μV input at 100.1MHz (MOD: 1kHz, 37.5kHz deviation)	100.1MHz	VR2 for 580mV at T.P.2 VR3 for 580mV at T.P.3

ADJUSTMENT

- Adjustment Location
ET P.C.B. (Component Side)



ADJUSTMENT

TAPE PLAYER

(1) Connection

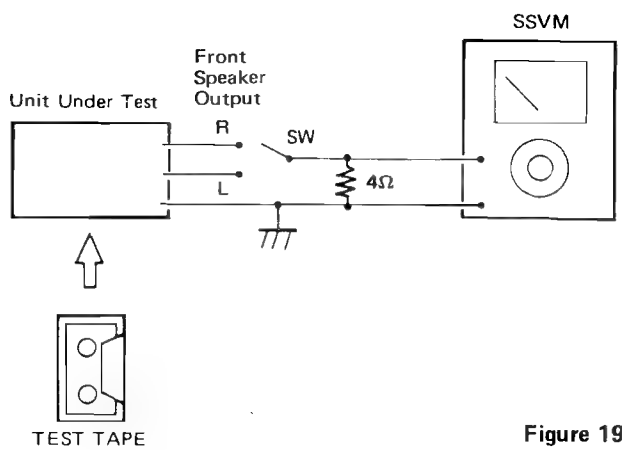


Figure 19

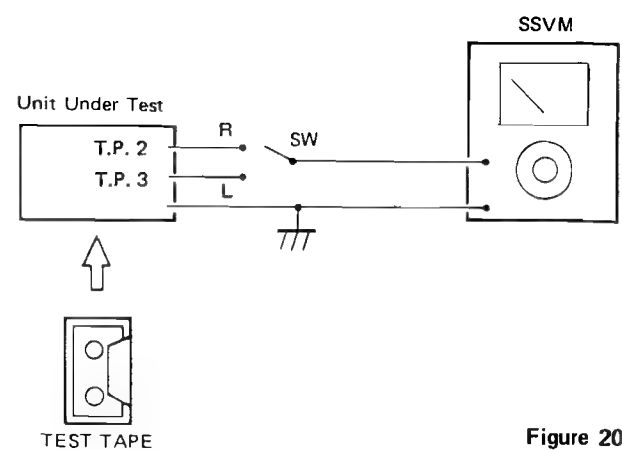


Figure 20

• Adjustment Location

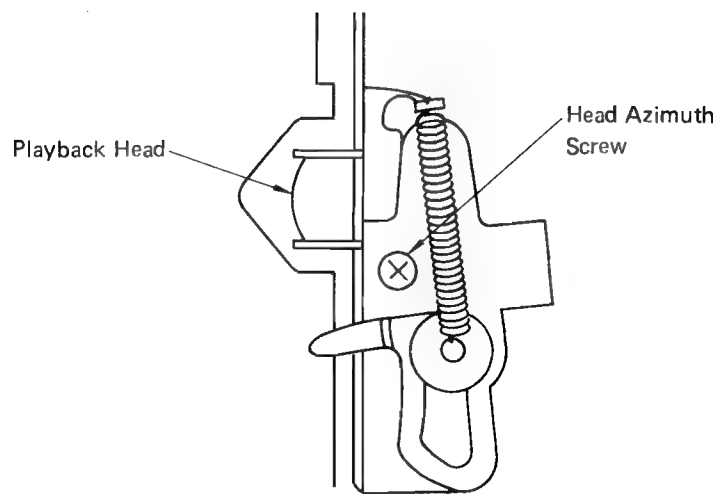


Figure 21

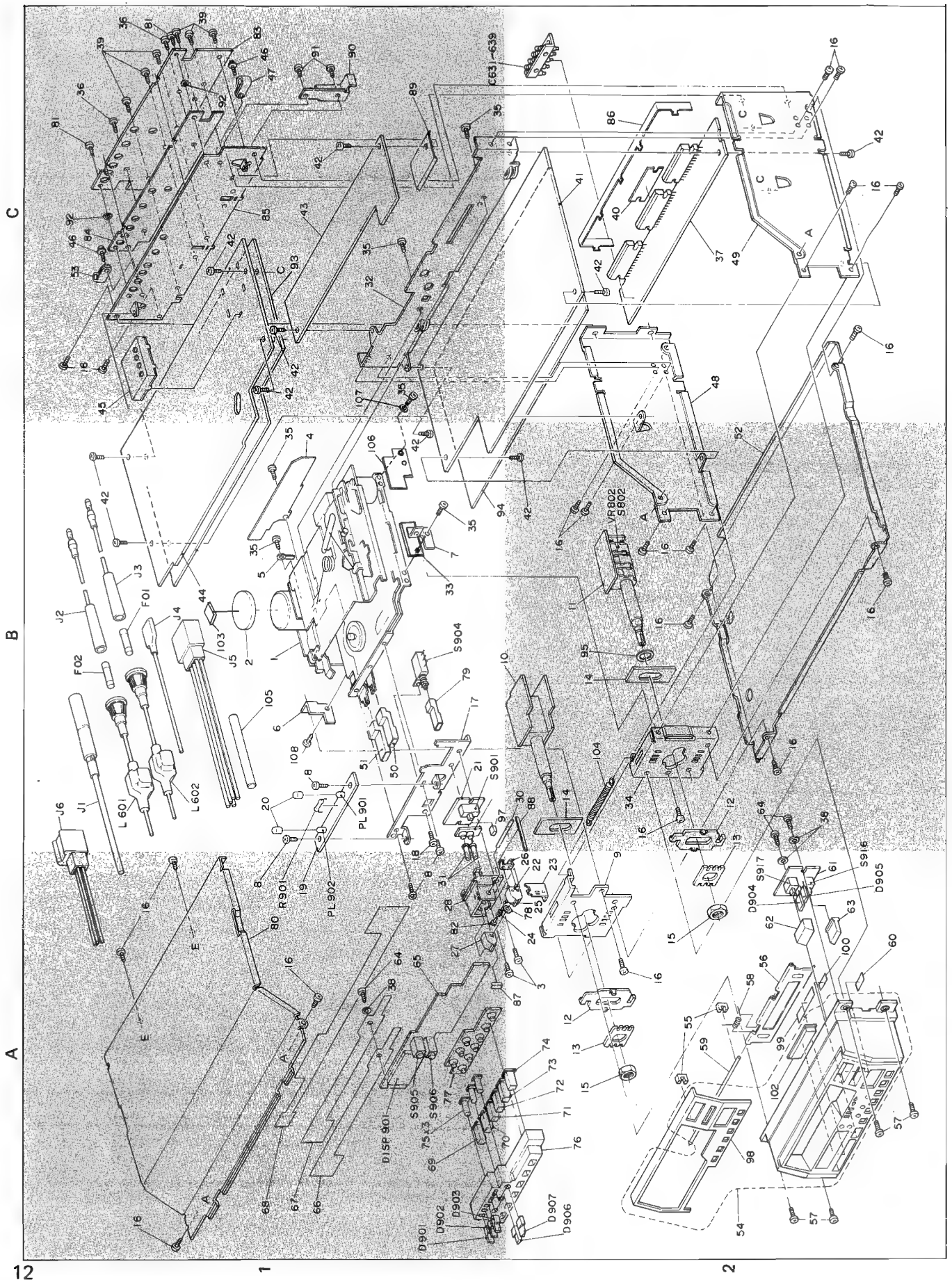
(2) Adjustment Procedure

Step	Description	Test Tape	Connection	Adjustment Point	Test Point	Remarks
1	Head Azimuth Adjustment	MTT-116U or MTT-216 (10kHz)	Figure 19	Azimuth Screw	Speaker Output	SSVM : Max *1
2	Dolby Level Adjustment	MTT-150	Figure 20	VR301 VR302	T.P. 2, T.P. 3	T.P. Output: 580mV *2
		or MTT-116U or MTT-216 (0 dB)				T.P. Output: 460mV *2

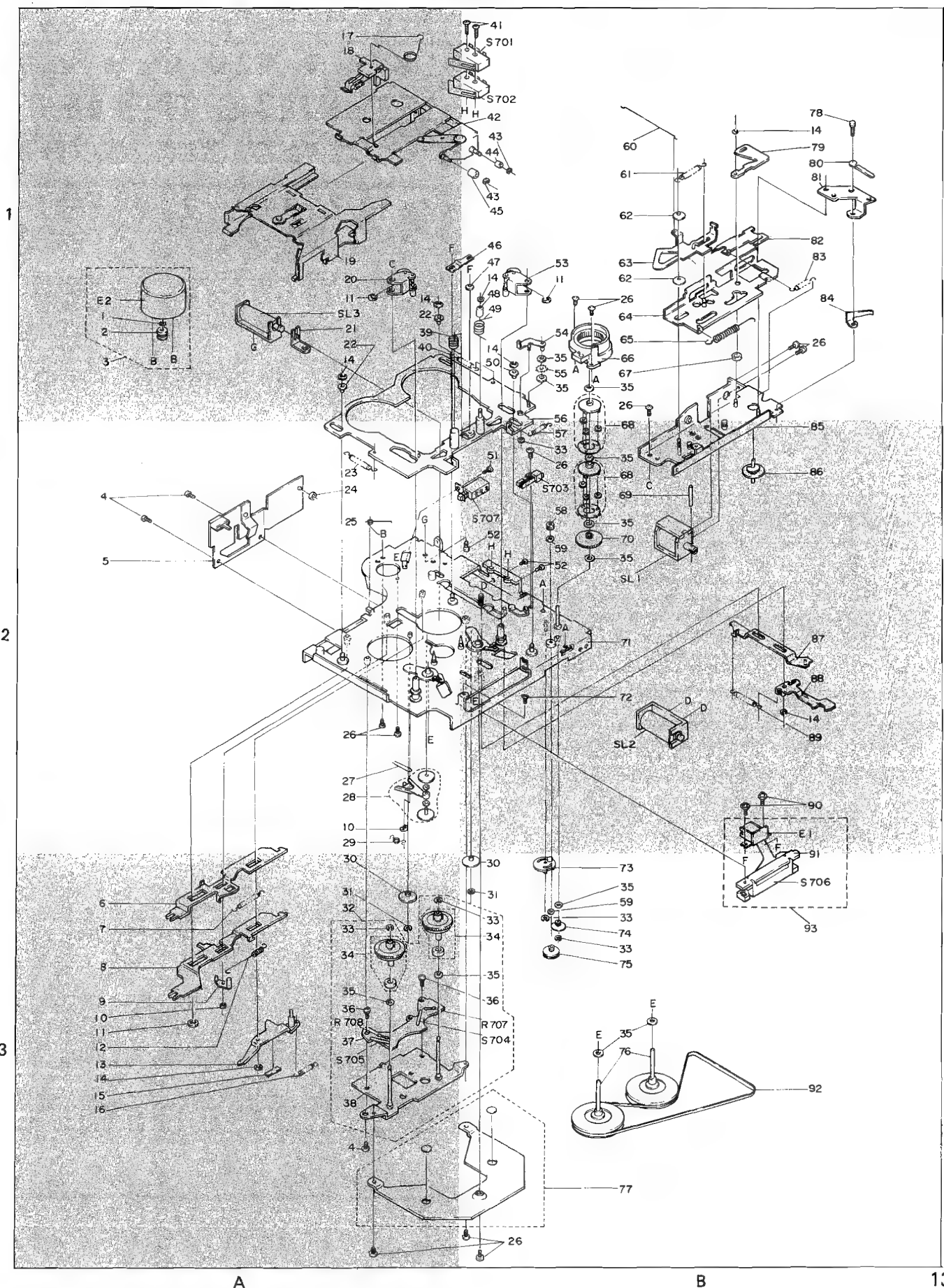
Notes: *1. Adjust the azimuth screw in such a manner that there is minimum difference in the speaker output between the forward and reverse tape directions.

*2. MTT-150 — 200nWb/m Dolby Reference Level
MTT-116U or MTT-216 — 0 dB = 160nWb/m (Dolby Reference Level – 2 dB)

CABINET EXPLODED VIEW



DECK MECHANISM EXPLODED VIEW



A

B

PARTS LIST

INSTRUCTION FOR PARTS LIST

- ① Exploded view drawing No.
- ② Position in exploded view.
- ③ Symbol of new parts.
- ④ Area to which parts are shipped. Example: A20-1979-11 is the parts No. of FRONT PANEL ASS'Y for the "K" type products (for USA).
When this column is blank, it means that the same type of parts (same parts No.) are used for the products shipped to all areas.
- ⑤ Reference No. in schematic diagram.
- ⑥ Abbreviation of "Flame proof metal oxide film resistor." All capacitors and resistors are listed using abbreviations.
- ⑦ Abbreviations

* Abbreviations of capacitors (Parts No. with initial letter "C").

Electro	Electrolytic capacitor
LL-Elec	Low leak electrolytic capacitor
NP-Elec	Non-pole electrolytic capacitor
Mica	Mica capacitor
Polysty	Polystyrene capacitor
Mylar	Mylar capacitor
Ceramic	Ceramic capacitor
Tantal	Tantalum capacitor
MF	Metallized film capacitor
Oil	Oil capacitor

All capacitor values are indicated with the unit (μ F) omitted
The unit "p" is used in lieu of "pF".

* Abbreviations of resistors (Parts No. with initial letters "R").

RC	Carbon composition resistor
RD	Carbon film resistor
FL-PROOF RD	Flame-proof carbon film resistor
RW	Wire wound power resistor
FL-PROOF RS	Flame-proof metal oxide film resistor
RN	Metal film resistor
2B	Rated wattage 1/8W
2E	Rated wattage 1/4W
2H	Rated wattage 1/2W
3A	Rated wattage 1W
3D	Rated wattage 2W
3F	Rated wattage 3W
3G	Rated wattage 4W
3H	Rated wattage 5W

All resistor values are indicated with the unit (Ω) omitted.

* Abbreviations common to capacitors and resistors.

C	± 0.25 pF (Used for capacitors only)
D	± 0.5 pF (Used for capacitors only)
F	$\pm 1\%$
G	$\pm 2\%$
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
Z	+80%, -20% (Used for capacitors only)
P	+100%, -0% (Used for capacitors only)

Ref. No.	Part No.	Description	Re- marks
② ① 18 1A	A01-0608-12	Metallc Cabinet	* ③
19 2A	A20-1979-11	Assy, Front Panel	* ④
19 2A	A20-1979-11	Assy, Front Panel	PM
19 2A	A20-1979-11	Assy, Front Panel	SU
19 2A	A20-1979-11	Assy, Front Panel	XW
⑤ R221	R43-1333-15	FL-PROOF RD 330 J2H	*
R222	R43-1368-15	FL-PROOF RD 680 J2H	*
VR 1,2	R12-3301-05	Trimming Pot, 20k (B)	*
VR 3,4	R19-4305-05	Potentiometer (Output)	*
VR 5,6	R12-2302-05	Trimming Pot, 5k (B)	*

⑥

PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
(See Page 12) CABINET				46 1C	N09-0355-08	Scr., Tpg. (M3x8)	
1 1B	D40-0223-18	GX75B120 Cassette Deck	*	47 1C	J11-0053-08	Clamp, Cable	
2 1B	F11-0296-08	Cover, Motor		48 2C	A11-0086-08	Chassis, Side (L)	
3 2A	N30-2604-46	Scr., Mch. (M2.6x4)		49 2C	A11-0087-08	Chassis, Side (R)	
4 1B	X13-3170-10	Assy., SW. Panel	*	50 1B	K27-0159-08	Knob, FF	
5 1B	J11-0050-08	Lug, Wrap Around		51 1B	K27-0160-08	Knob, Rew	
6 1B	---	BKT. DK (B)		52 2B	A40-0256-08	Cover, Bottom	*
7 1B	---	BKT. DK (C)		53 1C	J11-0054-08	Clamp Cord	
8 1A,1B	N30-2603-46	Scr., Mch. (M2.6x3)		54 2A	---	Assy., Nose Piece	
9 2A	---	Chassis, Front (L)		55 2A	---	Nose Piece Cover	
10 2B	X13-3180-10	Assy., Volume	*	56 2A	---	Assy., Door	
11 2B	X13-3190-10	Panel, Fader		57 2A	---	Scr., Mch. (M3x6)	
12 2A,2B	J21-1859-08	BKT. Volume		58 2A	---	Spring Cover Dust	
13 2A,2B	J21-1860-08	BKT. Volume		59 2A	---	Shaft Cover Dust	
14 2B	J21-1861-08	BKT. Volume		60 2A	---	Insulator, Lamp	
15 2A	N14-0125-08	Nuts, Hexagon		61 2A	---	Panel, Switch	
16	N87-3004-46	Scr., T.Tite (M3x4)		62 2A	K27-0161-08	Knob, Eject	
17 1B	---	BKT. SW. (C)		63 2A	K29-0362-08	Knob, Standby	
18 1A	N30-2004-46	Scr., Mch. (M2x4)		64 1A,2B	N09-0354-08	Scr., Tpg. (M2x6)	
19 1A	X14-1200-10	Panel Lamp	*	65 1A	---	Panel, LED	
20 1B	B09-0016-08	Bush Lamp		66 1A	J25-1769-08	Panel, FPC (LED)	
21 1B	---	Panel AM/FM SW.		67 1A	J25-1770-08	Panel, FPC (LED)	
22 2A	---	Knob, AM/FM		68 1A	J25-1771-08	Panel, FPC	
23 2A	---	Cover, SW.		69 1A	---	Knob, Pre-set	
24 2A	---	Spring SW.		70 1A	---	Knob, Pre-set	
25 2A	---	Ball Steel 2		71 2A	---	Knob, Pre-set	
26 2A	---	Spring AM/FM SW.		72 2A	---	Knob, Pre-set	
27 1A	---	Knob, Scan/Stop		73 2A	---	Knob, Pre-set	
28 1A	---	Socket SW. (B)		74 2A	---	Knob, Pre-set	
29 1B	---	Setten, Gomu (B)		75 1A	---	Knob, Touch	
30 2B	---	Shaft, SW.		76 2A	---	Socket, SW. (A)	
31 1A	---	Knob, Sub		77 1A	---	Setten, Gomu (A)	
32 1C	---	BKT, DK (A)		78 2A	---	Washer, S.T.W.	
33 1B	F10-0470-08	Shield Panel		79 1B	K27-0158-08	Knob, Tape Adv.	
34 2B	---	Chassis, Front (R)		80 1A	A52-0039-08	Cover, Top	*
35 1B,1C	N87-2604-46	Scr., Tap Tite (M2.6x4)		81 1C	N87-3012-45	Scr., T.Tite (M3x12) (BLK)	
36 1C	N87-3008-45	Scr., T.Tite (M3x8) BLK		82 1A	---	Knob, Sub. Cap	
37 2C	X07-1910-10	Assy., Main Amp	*	83 1C	F01-0352-08	Heat Sink (A)	
38 1A,2B	N19-0300-08	Washer, PS		84 1C	F01-0353-08	Heat Sink (B)	
39 1C	N09-0350-08	Scr., Mch. (M3x12)		85 1C	A23-1940-08	Cover, Rear (with Assy., Main Amp)	*
40 2C	F20-0154-08	Insulator, 1C		86 2C	F19-0236-08	Cover, Dust (with Assy., Main Amp)	
41 2C	X14-1260-10	Assy., Synth. Panel	*	87 2A	---	Cover, Socket	
42	---	Scr., Tap Tite (M3x5)		88 2B	---	Shield Panel	
43 1C	X08-1880-10	Assy., Pre A-R Panel	*	89 1C	---	Shield Panel	
44 1B	X05-2010-10	Assy., ET Panel	*	90 1C	---	BKT., Rear	
45 1C	W02-0046-18	FM, Front End (with Assy., ET Panel)	*				

PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
91 1C	N87-3006-45	Scr., T.Tite (M3x6)		26	N09-0203-08	Scr., Mch. (M2.6x4)	
92 1C	N19-0310-08	Washer, Flat	*	27 2A	G09-0026-08	Spring, R/F Idler Arm	
93 1C	F20-0166-18	Insulator Panel	*	28 2A	D14-0061-08	Gear, R/F Idler	
94 1B	F20-0168-18	Insulator Panel	*	29 2A	G01-0383-08	Spring, R/F Idler	
95 2B	N15-1090-46	Washer, Flat	*	30 3A,3B	D13-0071-08	Gear, Take Up	*
96	---	---		31 3A,3B	N29-0057-08	Washer, Lock	
97 1B	---	Knob, Slide		32 3A	---	Assy., Reel Bkt.	
98 2A	---	Cover, Nose		33	N29-0056-08	Washer Lock (1.7x0.25)	
99 2A	---	Pad, Cushion		34 3A,3B	D30-0017-08	Assy., Reel Magnet	
100 2A	---	Pad, Cushion		35	N19-0539-08	Washer, S.T.W.	
101	---	---		36 3A,3B	N09-0199-08	Scr., F-Lock (M2.6x3)	
102 2A	---	Scale, LED		37 3A	J25-1746-08	Panel Reed SW.	
103 1B	---	Pad, Cushion		38 3A	D03-0016-08	Assy., Reel Shaft Bkt.	
104 2B	G09-0031-08	Spring, Wire	*	39 1A	G01-0379-08	Spring, Pinch Roller	
105 1B	---	Tube, Vinyl(80)		40 1A	G01-0377-08	Spring	
106 1B	---	Insulator, Fiber		41 1B	N30-2314-46	Scr., Mch. (M2.3x8)	
107 1C	---	Washer		42 1B	J21-3031-08	Assy., Riv. Plate Idler	
108 1B	N09-0199-08	Scr., F-Lock (M2.6x3)		43 1B	N24-3012-60	Washer "C"	
(See Page 13) MECHANISM (D40-0223-18)				44 1B	J31-0156-08	Spacer	*
				45 1B	J31-0157-08	Spacer	*
1 1A	---	Washer Oil Shield		46 1B	G02-0087-08	Spring Head Adjust	
2 1A	---	Pully, Motor		47 1B	---	Washer, S.T.W.	
3 1A	T42-0007-18	Assy., Motor	*	48 1B	J31-0162-08	Spacer	
4 2A,3A	N87-2604-46	Scr., T.Tite(M2.6x4)		49 1B	G01-0378-08	Spring, Pinch Roller	
5 2A	J21-1892-08	Assy., Riv Guide Bracket		50 1B	D14-0065-08	Roller, Head Base	
6 3A	---	Lever, REW		51 2B	N09-0246-08	Scr., Mch. (M2.6x5)	
7 3A	G01-0381-08	Spring		52 2B	N32-2004-46	Scr., Mch. (M2x4)	
8 3A	---	Lever, FF		53 1B	D14-0059-08	Assy., Pinch Roller	
9 3A	D12-0087-18	Link R/F		54 1B	D10-0284-08	Assy., Riv. Eject Idler Lever	
10 2A,3A	N24-3020-60	Washer "C"		55 1B	D13-0063-08	Gear, Eject Idler	
11	N24-3030-60	Washer "C"		56 1B	---	Assy., Riv. Head Base	
12 3A	G01-0380-08	Spring		57 2B	G01-0402-08	Spring	
13 3A	---	Assy., Riv. Lock Lever		58 2B	D13-0062-08	Gear, Pulley	
14	N24-3015-60	Washer "C"		59 2B,3B	N19-0302-08	Washer, S.T.W.	
15 3A	---	Pad, Cushion		60 1B	D10-0275-08	Link, Connection	
16 3A	G01-0375-08	Spring		61 1B	G01-0371-08	Spring	
17 1A	G01-0374-08	Spring, Turn	*	62 1B	J31-0164-08	Spacer	
18 1A	D19-0058-08	Guide, Cassette	*	63 1B	---	Lever, Sub.	
19 1A	J21-1887-08	Assy., Cassette Holder	*	64 1B	---	Assy., Eject Lever	
20 1A	D14-0058-08	Assy., Pinch Roller		65 1B	G01-0404-08	Spring	
21 1A	D10-0297-08	Lever, Mute Solenoid	*	66 1B	---	Gear, Fix.	
22 1A	D14-0062-08	Roller Head Base		67 1B	J31-0163-08	Spacer	
23 2A	G01-0385-08	Spring		68 2B	D13-0064-18	Assy., Planet Gear	*
24 2A	N19-0295-08	Washer (3.1x5.4)		69 2B	J12-0087-08	Pin, Spring	
25 2A	G01-0403-08	Spring, B.T.		70 2B	---	Gear, Guide	

PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
71 2B	---	Assy., Riv. Chassis		R808-810	R42-7110-35	RD 10k 2B	*
72 2B	N30-2603-46	Scr., Mch. (M2.6x3)		R811,812	R42-7147-45	RD 470k 2B	*
73 3B	---	Gear Change		R813,814	R42-7182-15	RD 820 2B	*
74 3B	D13-0061-08	Gear, Reverse Idler		R815,816	R42-7133-25	RD 3.3k 2B	*
75 3B	D13-0060-08	Gear, Pully Wheel		R817	R42-7118-25	RD 1.8k 2B	*
76 3B	D01-0036-08	Assy., Flywheel		R818,819	R42-6110-25	RD 1k 2B	
77 3B	J21-1858-08	Assy., Flywheel		R820,821	R42-6110-15	RD 100 2B	
78 1B	N09-0360-08	Scr., Mch. (M2.6x8)		R822	R42-6122-25	RD 2.2k 2B	*
79 1B	D10-0278-08	Lever, Lock, Eject	*	R823	R42-7122-25	RD 2.2k 2B	*
80 1B	J11-0051-08	Lug, Wrap around		R824,825	R42-7115-25	RD 1.5k 2B	*
81 1B	J19-0595-08	Plate Pinion	*	R826,827	R42-7110-35	RD 10k 2B	*
82 1B	D10-0296-08	Plate, Head Lock	*	R828	R42-7182-35	RD 82k 2B	*
83 1B	G01-0373-08	Spring		R829	R42-6182-35	RD 82k 2B	*
84 1B	G01-0382-08	Spring, Solenoid		R830,831	R42-6127-25	RD 2.7k 2B	*
85 2B	---	Assy., Riv. Frame Lever		ASSY., PRE A/R P.C.B.(X08-1880-10)			
86 2B	D13-0070-08	Assy., Gear Eject	*	IC401	V30-0465-10	IC M51521L	
87 2B	---	Assy., Release lever		Q401-403	V03-1815-06	Transistor 2SC1815-Y	
88 2B	D10-0298-08	Lever Reverse	*	Q404,406	V03-1815-06	Transistor 2SC1815-Y	
89 2B	G01-0425-08	Spring	*	Q405	V01-0473-06	Transistor 2SA473-Y	
90 2B	N09-0346-08	Scr., F-Lock (M2x4)		Q407	V01-0037-05	Transistor 2SA495-Y	
91 3B	J25-1895-08	Panel, SW.		Q408	V01-0950-00	Transistor 2SA950-Y	
92 3B	D16-0059-08	Belt		Q409	V03-0880-00	Transistor 2SD880-Y	
93 3B	---	Assy., Head & Switch		or	V03-0880-10	Transistor 2SD880-GR	
ASSY., VOLUME P.C.B. (X13-3180-10)				Q410	V03-0509-00	Transistor 2SC509-Y	
Q801,802	V04-0661-20	Transistor 2SD661-T		Q411,412	V03-1815-06	Transistor 2SC1815-Y	
Q803-808	V04-0636-00	Transistor 2SD636-Q		Q413	V30-0473-10	Transistor 2SA473-Y	
S801 } VR801 }	R29-9006-08	Volume, Rotary	*	Q414	V03-0509-00	Transistor 2SC509	
C801,802	C45-1756-26	Mylar 0.0056		Q415,416	V03-1815-06	Transistor 2SC1815-Y	
C803-806	C45-1747-36	Mylar 0.047		D401,402	V11-0076-05	Diode 1S1555	
C807,808	C90-0507-05	Electro 0.33 50V	*	D403	V11-0051-05	Diode 1N60	
C809	C90-0478-05	Electro 10 16V	*	D404-409	V11-0076-05	Diode 1S1555	
C810,811	C90-0824-05	Electro 1 50V	*	D411-413	V11-0076-05	Diode 1S1555	
C812,813	C52-1756-05	Ceramic 560p		Z410	V11-2103-80	Zener HZ9C-2L	
C814	C24-1222-79	Electro 220 16V		C401,402	C52-1747-16	Ceramic 470p 50V	
C815,816	C90-0508-05	Tantal 4.7 16V		C403,404	C24-1710-59	Electro 1 50V	
C817	C45-1722-36	Mylar 0.022		C405,406	C24-1010-79	Electro 100 10V	
C818	C90-0478-05	Electro 10 16V	*	C407,408	C45-1710-36	Mylar 0.01	
C819,820	C90-0477-05	Electro 0.1 50V	*	C409,410	C24-1747-59	Electro 4.7 50V	
R801,802	R42-7168-25	RD 6.8k 2B	*	C411	C24-1247-71	Electro 470 16V	
R803,804	R42-6110-25	RD 1k 2B		C412-414	C24-1710-59	Electro 1 50V	
R805,806	R42-7182-15	RD 820 2B		C415	C24-1722-59	Electro 2.2 50V	
R807	R42-7122-35	RD 22k 2B	*	C416	C24-1210-79	Electro 100 16V	
				C417	C24-1422-69	Electro 22 25V	
				C418	C24-1233-69	Electro 33 16V	

PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C419	C24-1210-79	Electro 100 16V		D601-603	V11-6300-20	Diode 10E1	
C420	C24-1222-79	Electro 220 16V		or	V11-9729-05	Diode 1N4003	
C421	C24-1010-79	Electro 100 10V		C601,602	C45-1710-26	Mylar 0.001	
C422	C55-1722-38	Ceramic 22000p 50V		C603,604	C45-1747-36	Mylar 0.047	
R401,402	R42-7215-15	RD 150 2E		C605,606	C24-1422-69	Electro 22 25V	
R403,404	R42-7256-35	RD 56k 2E		C607-610	C24-1010-79	Electro 100 10V	
R405,406	R42-7233-45	RD 330k 2E		C611,612	C45-1747-36	Mylar 0.047	
R407,408	R42-7212-35	RD 12k 2E		C613-616	C91-0153-08	Ceramic 0.2 12V	
R409	R42-7210-25	RD 1k 2E		C617,618	C24-1222-89	Electro 2200 16V	
R410,411	R42-7268-15	RD 680 2E		C619,620	C45-1710-26	Mylar 0.001	
R412,413	R42-7268-45	RD 680k 2E		C621-624	C24-1010-79	Electro 100 10V	
R414	R42-7210-25	RD 1k 2E		C625,626	C45-1718-46	Mylar 0.18	
R415	R42-7239-25	RD 3.9k 2E		C627,628	C24-1010-89	Electro 1000 10V	
R416,417	R42-7210-35	RD 10k 2E		C629	C24-1747-59	Electro 4.7 50V	
R418	R42-7212-15	RD 120 2E		C630	C24-1222-79	Electro 220 16V	
R419-422	R42-7210-35	RD 10k 2E		R601,602	R42-7222-15	RD 220 2E	
R423,424	R42-7247-35	RD 47k 2E		R603-606	R42-7256-25	RD 5.6k 2E	
R425	R42-7222-25	RD 2.2k 2E		R607,608	R42-7233-35	RD 33k 2E	
R426	R42-7268-15	RD 680 2E		R611,612	R42-7282-35	RD 82k 2E	
R427	R42-6212-25	RD 1.2k 2E		R613,614	R42-7210-25	RD 1k 2E	
R428	R48-6222-05	RN 22 2H		ASSY., SW. P.C.B.			
R429	R42-6210-25	RD 1k 2E		Q701,702	V03-1815-06	Transistor 2SC1815-Y	
R430	R42-7282-05	RD 82 2E		D701-703	V11-7701-00	Diode 10E2	
R431,432	R42-7247-25	RD 4.7k 2E		C701	C90-0478-05	Electro 10 16V	*
R433	R42-7210-25	RD 1k 2E		R701,702	R42-7182-15	RD 820 2B	
R434	R42-7247-25	RD 4.7k 2E		R703,704	R42-7147-35	RD 47k 2B	*
R435	R42-7282-25	RD 8.2k 2E		R705	R42-7133-35	RD 33k 2B	*
R436	R42-7210-25	RD 1k 2E		R706	R42-6182-25	RD 6.8k 2B	
R437	R42-7247-95	RD 4.7 2E		ASSY., SYNTH. P.C.B.(X14-1260-10)			
R438	R42-7210-25	RD 1k 2E		IC501	V30-0498-10	IC SM 5220	
R439	R42-7256-15	RD 560 2E		IC502	V30-0445-10	IC μ PA 53C	
R440	R42-7247-95	RD 4.7 2E		IC503	V30-0409-10	IC AN 6821	
R441	R42-7239-15	RD 390 2E		Q501-508	V04-0636-00	Transistor 2SD636	
R442	R42-7215-35	RD 15k 2E		Q509-512	V02-0641-00	Transistor 2SB641	
R443	R42-7247-25	RD 4.7k 2E		Q513,514	V04-0636-00	Transistor 2SD636	
R444	R42-7210-25	RD 1k 2E		Q515-518	V04-0661-20	Transistor 2SD661-U	
R445	R42-7210-45	RD 100k 2E		Q519	V04-0638-10	Transistor 2SD638 R	
R446	R42-7256-35	RD 56k 2E		or	V04-0638-10	Transistor 2SD638 S	
R447	R42-7247-25	RD 4.7k 2E					
R448	R42-7210-15	RD 100 2E					
ASSY., MAIN AMP P.C.B.(X07-1910-10)							
IC601	V30-0240-08	IC TA7227P					
IC602	V30-0240-08	IC TA7227P					
IC603	V30-0240-08	IC TA7227P					

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Z511	V11-2103-70	Zener Hz 6C-3L		R536	R42-6282-15	RD 820 2E	
Z512	V11-2103-60	Zener Hz 6A-1L		R537,538	R42-6210-25	RD 1k 2E	
				R539	R42-6210-15	RD 100 2E	
D501-510	V11-0076-05	Diode SI 1S1555		R540	R42-6210-35	RD 10k 2E	
X501	L77-0575-08	Cristal, 5.12 MHz		R541	R42-6247-45	RD 470k 2E	*
L501	L40-5691-13	Coll, Inductor 5.6μH		R542	R42-6233-25	RD 3.3k 2E	
C501,502	C71-1722-05	Ceramic 22p		R543	R42-6210-35	RD 10k 2E	
C503	C24-1247-79	Electro 470 16V		R544	R42-6222-15	RD 220 2E	
C504-507	C91-0150-08	Ceramic 10000p		R545,546	R42-6210-25	RD 1k 2E	
C508	C91-0148-08	Ceramic 1000p		R547	R42-6256-15	RD 560 2E	
C509,510	C91-0150-08	Ceramic 10000p		R548	R42-6239-35	RD 39k 2E	*
				R549	R42-6233-25	RD 3.3k 2E	
C511	C24-1710-57	Electro 1 50V		R550	R42-6227-35	RD 27k 2E	*
C512	C24-1047-49	Electro 47 10V		R551	R42-6210-25	RD 1k 2E	
C513	C91-0150-08	Ceramic 10000p		ASSY., ET P.C.B.(X05-2010-10)			
C514	C24-1047-49	Electro 47 10V		IC1	V30-0438-10	IC HA12411	
C515,516	C91-0150-08	Ceramic 10000p		IC2	V30-0483-10	IC LA3370	
C517	C24-1710-57	Electro 1 50V		IC101	V30-0439-10	IC LA1130	
C518	C24-1047-49	Electro 47 10V		IC201	V30-0499-10	IC MC14093BCP	
C519	C91-0150-08	Ceramic 10000p		IC202,203	V30-0319-30	IC MC14013BCP	
C520	C24-1247-79	Electro 470 16V		IC301,302	V30-0277-10	IC Dolby (LM1011N)	
C521-223	C91-0149-08	Ceramic 1500p		or	V30-0315-10	IC NE645B	
C524,525	C91-0150-08	Ceramic 10000p		Q1-4	V03-1815-06	Transistor 2SC1815-Y	
C526	C24-1047-49	Electro 47 10V		Q5,6	V03-1815-06	Transistor 2SC1815-Y	
C527	C91-0149-08	Ceramic 1500p		Q101,102	V09-0156-10	FET 2SK195 H1	
C528	C71-1712-15	Ceramic 120p		or	V09-0156-10	FET 2SK195 H2	
C529	C24-1010-79	Electro 100 10V		or	V09-0156-10	FET 2SK195 F2	
C530	C24-1210-89	Electro 1000 16V		Q103	V03-1815-06	Transistor 2SC1815-Y	
R501	R42-6247-25	RD 4.7k 2E		Q104	V03-0945-10	Transistor 2SC945L	
R502-509	R42-6210-25	RD 1k 2E		Q105	V09-0152-10	FET 2SK212	
R510-517	R42-6282-95	RD 8.2 2E		Q106-108	V03-1815-06	Transistor 2SC1815-Y	
R518	R42-6122-25	RD 2.2k 2B		Q201-209	V03-1815-06	Transistor 2SC1815-Y	
R519	R42-6222-25	RD 2.2k 2E		Q301	V03-0509-00	Transistor 2SC509-Y	
R520,521	R42-6210-35	RD 10k 2E		D1-5	V11-0076-05	Diode 1S1555	
R522,523	R48-6218-15	RN 180 2H		D101-106	V11-0076-05	Diode 1S1555	
R524	R42-6210-35	RD 10k 2E		D201-206	V11-0076-05	Diode 1S1555	
R525	R42-6210-45	RD 100k 2E	*	D301-306	V11-0076-05	Diode 1S1555	
R526	R42-6210-35	RD 10k 2E		D308,309	V11-0076-05	Diode 1S1555	
R527,528	R42-6210-45	RD 100k 2E	*				
R529	R42-6210-35	RD 10k 2E					
R530,531	R42-6210-45	RD 100k 2E	*				
R532	R42-6210-35	RD 10k 2E					
R533	R42-6247-45	RD 470k 2E	*				
R534	R42-6256-25	RD 5.6k 2E					
R535	R42-6210-35	RD 10k 2E					

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Z307	V11-2103-90	Zener Hz11C-1L		C26	C45-1715-36	Mylar 0.015	
CF1,2	L72-0088-05	Ceramic Filter 10.7 MHz		C27,28	C45-1710-36	Mylar 0.01	
CF101	L72-0093-08	Ceramic Filter 450 kHz		C29	C45-1715-36	Mylar 0.015	
CT101-103	C05-0029-05	Variable Capacitor		C30	C24-1733-59	Electro 3.3 50V	*
CV101-103	V11-6101-30	Varactor, Diode SV321		C31	C24-1710-59	Electro 1 50V	
L1	V40-4791-13	Coil, Inductor 4.7µH		C32,33	C24-1710-69	Electro 10 50V	
L2	L39-0093-08	Coil, FM 18 µH		C34,35	C24-1710-59	Electro 1 50V	
L101	L39-0096-08	Coil, 4.7 µH		C36	C24-1733-59	Electro 3.3 50V	*
L301,302	L39-0094-08	Coil, Dolby 23 mH		C37	C24-1710-59	Electro 1 50V	
L303,304	L39-0095-08	Coil, Dolby 36 mH		C38	C50-2010-25	P.P. 1000p	*
NE101	V40-7700-40	Lamp Neon		C101	C45-1722-36	Mylar 0.022	
T1	L30-0358-08	Coil, IF		C102	C45-1747-26	Mylar 0.0047	
T101	L31-0461-08	Coil, AM ANT		C103	C24-1710-69	Electro 10 50V	
T102	L32-0250-08	Coil, AM OSC		C104	C45-1722-36	Mylar 0.022	
T103	L31-0462-08	Coil, AM RF		C105	C45-1747-36	Mylar 0.047	
T104	L30-0354-08	Coil, IF		C106	C45-1722-36	Mylar 0.022	
T105	L30-0355-08	Coil, IF		C107	C45-1747-36	Mylar 0.047	
T106	L30-0356-08	Coil, IF		C108,109	C71-1722-15	Ceramic 220p 50V	
T107	L30-0357-08	Coil, IF		C110	C71-1710-02	Ceramic 10p 50V	
C1	C24-1733-41	Electro 0.33 50V		C111-113	C45-1722-36	Mylar 0.022	
C2	C24-1710-59	Electro 1 50V		C114	C45-1747-36	Mylar 0.047	
C3	C24-1047-69	Electro 47 10V		C115	C71-1705-01	Ceramic 5p 50V	
C4-6	C55-1722-38	Ceramic 22000p 50V		C116	C45-1722-36	Mylar 0.022	
C7,8	C24-1710-59	Electro 1 50V		C117	C24-1047-49	Electro 47 10V	
C9	C71-1722-15	Ceramic 220p		C118	C45-1747-36	Mylar 0.047	
C10	C24-1710-59	Electro 1 50V		C119	C71-1705-01	Ceramic 5p 50V	
C11	C55-1722-38	Ceramic 22000p 50V		C120	C45-1722-26	Mylar 0.0022	
C12	C24-1747-59	Electro 4.7 50V		C121	C45-1710-36	Mylar 0.01	
C13,14	C55-1722-38	Ceramic 22000p 50V		C122	C24-1010-79	Electro 100 10V	
C15	C24-1010-79	Electro 100 10V		C123	C45-1733-26	Mylar 0.033	
C16,17	C55-1722-38	Ceramic 22000p 50V		C124	C24-1710-69	Electro 10 50V	
C18	C71-1722-15	Ceramic 220p		C125	C24-1747-59	Electro 4.7 50V	
C19	C24-1710-69	Electro 10 50V		C126	C26-1722-57	NP 2.2 50V	
C20	C24-1010-79	Electro 100 10V		C127	C26-1747-47	NP 0.47 50V	
C21	C55-1722-38	Ceramic 22000p 50V		C128	C24-1710-69	Electro 10 50V	
C22	C24-1710-69	Electro 10 50V		C129	C45-1747-36	Mylar 0.047	
C23	C45-1710-36	Mylar 0.01		C130	C24-1710-69	Electro 10 50V	
C24	C24-1710-59	Electro 1 50V		C131	C45-1710-36	Mylar 0.01	
C25	C24-1733-59	Electro 3.3 50V	*	C132	C24-1747-59	Electro 4.7 50V	
				C201-204	C81-6510-47	Tantal 0.1 35V	
				C205	C24-1233-69	Electro 33 16V	
				C206	C24-1210-79	Electro 100 16V	
				C207	C24-1447-59	Electro 4.7 50V	
				C208	C50-2010-25	NP 10 16V	
				C209	C24-1233-69	Electro 33 16V	

PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C301,302	C24-1222-79	Electro 220 16V	Note 1	R34	R42-7227-35	RD 27k 2E	
C303,304	C24-1710-59	Electro 1 50V		R35-38	R42-7210-35	RD 10k 2E	
C305	C24-1710-69	Electro 10 50V		R101	R42-7233-05	RD 33 2E	
C306,307	C91-0147-08	Ceramic 0.1		R102	R42-7282-35	RD 82k 2E	
C308,309	C81-6533-57	Tantal 0.33 35V		R103	R42-7210-15	RD 100 2E	
C310,311	C45-1747-25	Mylar 0.0047		R104	R42-7233-15	RD 330 2E	
C312,313	C24-1710-69	Electro 10 50V		R105	R42-7210-35	RD 10k 2E	
C314,315	C24-1710-59	Electro 1 50V		R106	R42-7212-15	RD 120 2E	
C316,317	C45-1722-25	Mylar 0.0022		R107	R42-7256-35	RD 56k 2E	
C319,318	C45-1727-35	Mylar 0.027		R108-111	R42-7210-45	RD 100k 2E	
C320,321	C81-6510-47	Tantal 0.1	Note 1	R112	R42-7210-25	RD 1k 2E	
C322,323	C45-1756-25	Mylar 0.0056		R113	R42-7210-15	RD 100 2E	
C324,325	C45-1733-25	Mylar 0.0033		R114	R42-7268-05	RD 68 2E	
C326,327	C71-1722-15	Ceramic 220p 50V		R115	R42-7222-15	RD 220 2E	
C328-331	C24-1710-69	Electro 10 50V		R116	R42-7222-25	RD 2.2k 2E	
C332	C45-1747-35	Mylar 0.047	Note 1	R117	R42-7227-25	RD 2.7k 2E	
C333,334	C24-1710-69	Electro 10 50V		R118,119	R42-7210-35	RD 10k 2E	
C335,336	C45-1739-25	Mylar 0.0039		R120	R42-7227-35	RD 27k 2E	
C337,338	C45-1710-26	Mylar 0.001		R121	R42-7210-45	RD 100k 2E	
C339	C45-1747-35	Mylar 0.047		R122	R42-7282-15	RD 820 2E	
VR1		Variable Resistor 20k		R123	R42-7222-05	RD 22 2E	
VR2-4	R12-3057-05	Variable Resistor 10k		R124	R42-7210-35	RD 10k 2E	
VR301,302	R12-3057-05	Variable Resistor 10k		R125	R42-7222-45	RD 220k 2E	
R1,2	R42-7227-35	RD 27k 2E		R126	R42-7227-25	RD 2.7k 2E	
R3	R42-7210-35	RD 10k 2E		R127	R42-7212-25	RD 1.2k 2E	
R4	R42-7239-35	RD 39k 2E		R128	R42-7247-25	RD 4.7k 2E	
R5	R42-6210-45	RD 100k 2E		R129	R42-7210-45	RD 100k 2E	
R6	R42-7233-05	RD 33 2E		R201-204	R42-7210-35	RD 10k 2E	
R7	R42-7233-15	RD 330 2E		R205-208	R42-7212-35	RD 120k 2E	
R8	R42-7222-25	RD 2.2k 2E		R209	R42-7256-35	RD 56k 2E	
R9	R42-6210-35	RD 10k 2E	*	R210	R42-7256-25	RD 5.6k 2E	
R10	R42-7247-35	RD 47k 2E		R211	R42-7256-35	RD 56k 2E	
R11	R42-7247-25	RD 4.7k 2E		R212	R42-7256-25	RD 5.6k 2E	
R12	R42-6268-25	RD 6.8k 2E		R213	R42-6247-35	RD 47k 2E	
R13-15	R42-7210-35	RD 10k 2E		R214	R42-7215-35	RD 15k 2E	
R16	R42-6256-05	RD 56 2E		R215	R42-7282-15	RD 820 2E	
R17	R42-7233-25	RD 3.3k 2E		R216	R42-6247-35	RD 47k 2E	
R18-21	R42-7210-45	RD 100k 2E		R217	R42-7256-35	RD 56k 2E	
R22	R42-7233-25	RD 3.3k 2E		R218	R42-7256-25	RD 5.6k 2E	
R23,24	R42-7222-35	RD 22k 2E		R219	R42-7215-35	RD 15k 2E	
R25,26	R42-7212-45	RD 120k 2E		R220	R42-6282-15	RD 820 2E	
R27-29	R42-7210-35	RD 10k 2E		R221,222	R42-7215-35	RD 15k 2E	
R30	R42-7210-25	RD 1k 2E		R223,224	R42-7282-15	RD 820 2E	
R31	R42-6210-45	RD 100k 2E		R225,226	R42-6227-35	RD 27k 2E	
R32	R42-7210-25	RD 1k 2E		R227	R42-7282-25	RD 8.2k 2E	
R33	R42-7215-35	RD 15k 2E					

Note 1: Used for IC LM1011N (IC301,302)

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks	
R228,229 R230	R42-6210-35 R42-7247-35	RD 10k 2E RD 47k 2E	*	L601 L602	E30-0663-08 E30-0662-08	Choke Filter (0.2 mH) Ext. Choke (1.2 mH)	*	
R231 R232	R42-6210-35 R42-6239-15	RD 10k 2E RD 390 2E		S701 S702 S703 S704,705 S706 S707	S50-1019-08 S50-1022-08 S46-1010-08 S59-1047-08 S31-6012-08 S40-2118-08	SW., Micro SW., Micro SW., Leaf SW., Reed SW., Slide SW., Push		
R301 R302,303 R304,305 R306 R307,308	R42-7247-15 R42-7210-25 R42-7212-45 R42-7210-35 R42-7247-35	RD 470 2E RD 1k 2E RD 120k 2E RD 10k 2E RD 47k 2E		Note 2	S901 S904 S905,906 S916,917	--- S40-1019-08 --- S40-1018-05		SW., Slide SW., Push SW., Touch SW., Touch
R309,310 R311,312 R313,314 R315,316 R317,318	R42-7222-05 R42-6220-45 R42-7247-35 R42-7227-45 R42-7227-45	RD 22 2E RD 200k 2E RD 47k 2E RD 270k 2E RD 270k 2E		Note 2	SL1 SL2 SL3	T94-0015-08 T94-0018-08 T94-0019-08		Assy., Keep Solenoid Assy., Reverse Sol. Assy., Sensor Sol.
R319,320 R323,324 R325,326 R327	R42-7233-25 R42-7218-15 R42-7256-45 R42-6268-35	RD 3.3k 2E RD 180 2E RD 560k 2E RD 68k 2E		Note 1 *	PL901,902	B30-0224-08		Lamp, Pilot (6V)
				(See Page 25) ASSY., PACKING				
MISCELLANEOUS				101 102 103 104 105	A22-0280-08 A22-0281-08 A22-0282-08 A29-0044-08 W01-0095-18	Face Plate Cover, Plate Cover, Plate Nose Gasket Bkt., Strap Receiver	*	
D901-903 D904,905 D906,907	--- B30-0240-08 ---	LED (YEL) LED (YEL) LED (GRN)	*	106 106-1 106-2 106-3 106-4	--- H25-0183-08 K29-0359-08 K29-0360-08 K29-0361-08	Assy., Knob Control Sack Poly Knob, Control (A) Knob, Control (B) Knob, Control (C)		
DISP901 or	--- ---	LED TLG-4145 LED TLG-2140		107 107-1 107-2 107-3 107-4	W01-0093-08 N14-0125-08 N09-0336-08 N09-0337-08 N09-0339-08	Assy., Kit Instal. Nuts, Hex. Scr., Tpg. (M5x20) Scr., Tpg. (M5x10) Scr., Mch. (M5x10)		
C631-639	C91-0196-08	Cap. Through		107-5 107-6 107-7 107-8 107-9	N19-0295-08 N10-2050-46 N19-0296-08 N09-0340-08 H25-0183-08	Washer, Tooth Lock Nut Hex. (M5x0.8) Washer Scr., Mch. (M5x20) Sack, Poly.		
VR802 } S802 }	R29-9003-08	Fader Tuning		108	H25-0186-08	Sack, Poly.		
R707,708 R832-835 R836,837 R838 R901	R42-6112-45 R42-6147-25 R42-6122-15 R42-7247-05 R42-6233-05	RD 120k 2B RD 4.7k 2B RD 220 2B RD 47 2E RD 33 2E		* * * * *	109 109-1 109-2 109-3 109-4	--- H25-0185-08 B50-3163-18 B46-0070-03 B58-0244-04		Assy., Pamphlet Sack, Poly. Owners, Manual Card, Warranty Card, Caution
E1 E2	T31-0010-08 T42-0007-08	Head, Playback Motor	*					
F01 F02 J1	F05-3022-05 F05-7022-05 E30-0664-08	Fuse (3A) Fuse (7A) Ant. Receptacle (with Assy., ET Panel)	*					
J2 J3 J4 J5 J6	E30-0645-08 E30-0644-08 E30-0664-08 E30-0646-08 E30-0647-08	Assy., Fuse Holder(7A) Assy., Fuse Holder(3A) Assy., Power Ant. Lead Assy., Spkr Cable BTL Assy., Spkr Cable (4p)						

Notes 1: Used for IC LM1011N (IC301,302)

2: Used for IC NE645B (IC301,302)

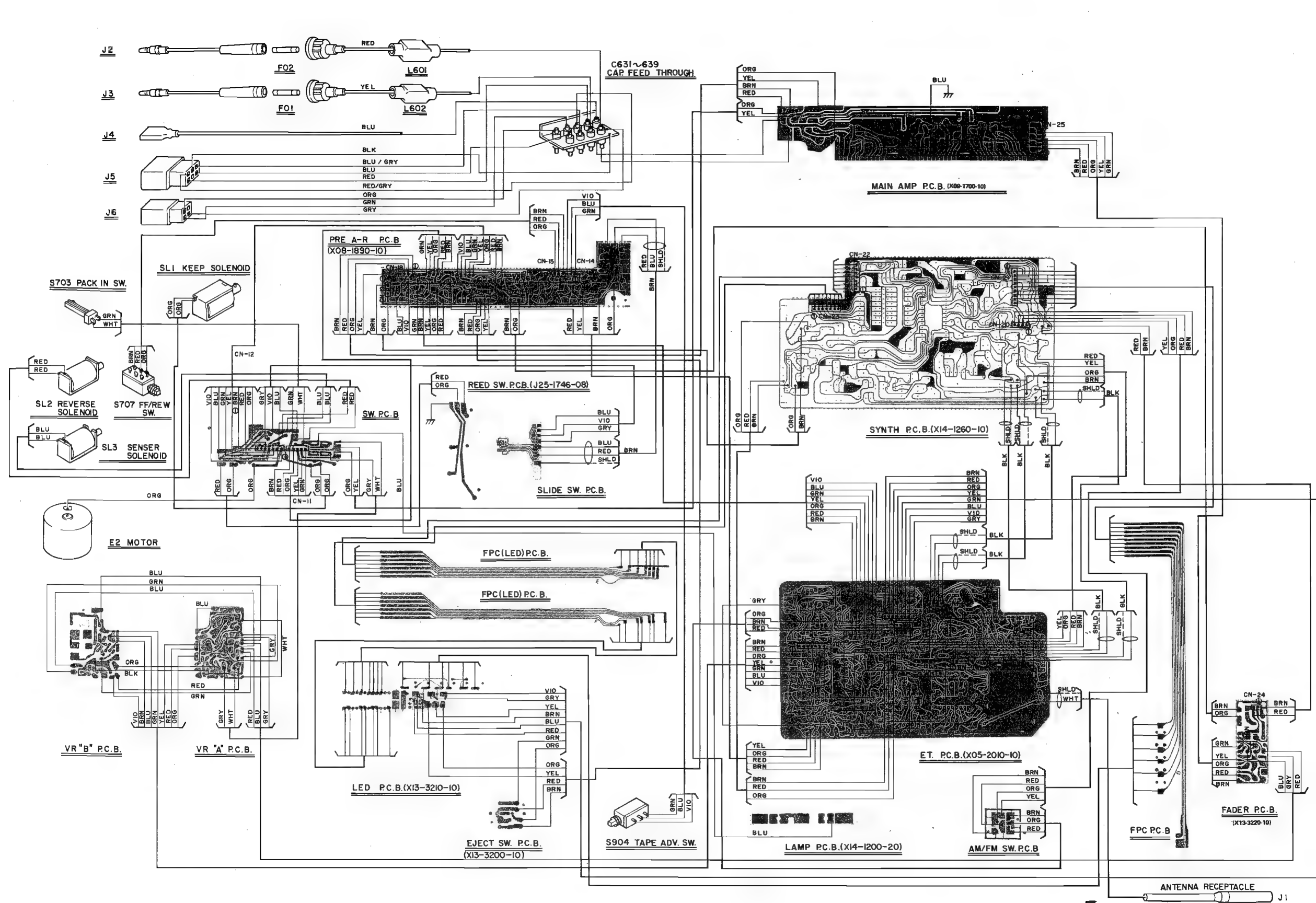
PARTS LIST

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R228,229	R42-6210-35	RD 10k 2E		L601	E30-0663-08	Choke Filter (0.2 mH)	
R230	R42-7247-35	RD 47k 2E		L602	E30-0662-08	Ext. Choke (1.2 mH)	
R231	R42-6210-35	RD 10k 2E		S701	S50-1019-08	SW., Micro	
R232	R42-6239-15	RD 390 2E	*	S702	S50-1022-08	SW., Micro	*
R301	R42-7247-15	RD 470 2E		S703	S46-1010-08	SW., Leaf	
R302,303	R42-7210-25	RD 1k 2E	Note 2	S704,705	S59-1047-08	SW., Reed	
R304,305	R42-7212-45	RD 120k 2E		S706	S31-6012-08	SW., Slide	
R306	R42-7210-35	RD 10k 2E		S707	S40-2118-08	SW., Push	
R307,308	R42-7247-35	RD 47k 2E		S901	---	SW., Slide	
R309,310	R42-7222-05	RD 22 2E		S904	S40-1019-08	SW., Push	
R311,312	R42-6220-45	RD 200k 2E	Note 2	S905,906	---	SW., Touch	
R313,314	R42-7247-35	RD 47k 2E		S916,917	S40-1018-05	SW., Touch	
R315,316	R42-7227-45	RD 270k 2E		SL1	T94-0015-08	Assy., Keep Solenoid	
R317,318	R42-7227-45	RD 270k 2E	Note 1	SL2	T94-0018-08	Assy., Reverse Sol.	*
				SL3	T94-0019-08	Assy., Sensor Sol.	*
R319,320	R42-7233-25	RD 3.3k 2E		PL901,902	B30-0224-08	Lamp, Pilot (6V)	
R323,324	R42-7218-15	RD 180 2E					
R325,326	R42-7256-45	RD 560k 2E	Note 1				
R327	R42-6268-35	RD 68k 2E	*				
MISCELLANEOUS				(See Page 25) ASSY., PACKING			
D901-903	---	LED (YEL)		101	A22-0280-08	Face Plate	
D904,905	B30-0240-08	LED (YEL)		102	A22-0281-08	Cover, Plate	
D906,907	---	LED (GRN)		103	A22-0282-08	Cover, Plate	
DISP901	---	LED TLG-4145		104	A29-0044-08	Nose Gasket	
or	---	LED TLG-2140		105	W01-0095-18	Bkt., Strap Receiver	*
C631-639	C91-0196-08	Cap. Through	*	106	---	Assy., Knob Control	
VR802 } S802 }	R29-9003-08	Fader Tuning		106-1	H25-0183-08	Sack Poly	
R707,708	R42-6112-45	RD 120k 2B		106-2	K29-0359-08	Knob, Control (A)	
R832-835	R42-6147-25	RD 4.7k 2B	*	106-3	K29-0360-08	Knob, Control (B)	
R836,837	R42-6122-15	RD 220 2B	*	106-4	K29-0361-08	Knob, Control (C)	
R838	R42-7247-05	RD 47 2E	*	107	W01-0093-08	Assy., Kit Instal.	
R901	R42-6233-05	RD 33 2E		107-1	N14-0125-08	Nuts, Hex.	
E1	T31-0010-08	Head, Playback	*	107-2	N09-0336-08	Scr., Tpg. (M5x20)	
E2	T42-0007-08	Motor		107-3	N09-0337-08	Scr., Tpg. (M5x10)	
F01	F05-3022-05	Fuse (3A)		107-4	N09-0339-08	Scr., Mch. (M5x10)	
F02	F05-7022-05	Fuse (7A)		107-5	N19-0295-08	Washer, Tooth Lock	
J1	E30-0664-08	Ant. Receptacle (with Assy., ET Panel)	*	107-6	N10-2050-46	Nut Hex. (M5x0.8)	
J2	E30-0645-08	Assy., Fuse Holder(7A)	*	107-7	N19-0296-08	Washer	
J3	E30-0644-08	Assy., Fuse Holder(3A)		107-8	N09-0340-08	Scr., Mch. (M5x20)	
J4	E30-0664-08	Assy., Power Ant. Lead		107-9	H25-0183-08	Sack, Poly.	
J5	E30-0646-08	Assy., Spkr Cable BTL	*	108	H25-0186-08	Sack, Poly.	
J6	E30-0647-08	Assy., Spkr Cable (4p)	*	109	---	Assy., Pamphlet	
				109-1	H25-0185-08	Sack, Poly.	
				109-2	B50-3163-18	Owners, Manual	*
				109-3	B46-0070-03	Card, Warranty	
				109-4	B58-0244-04	Card, Caution	

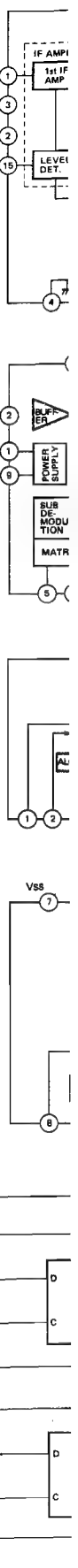
Notes 1: Used for IC LM1011N (IC301,302)

2: Used for IC NE6458 (IC301,302)

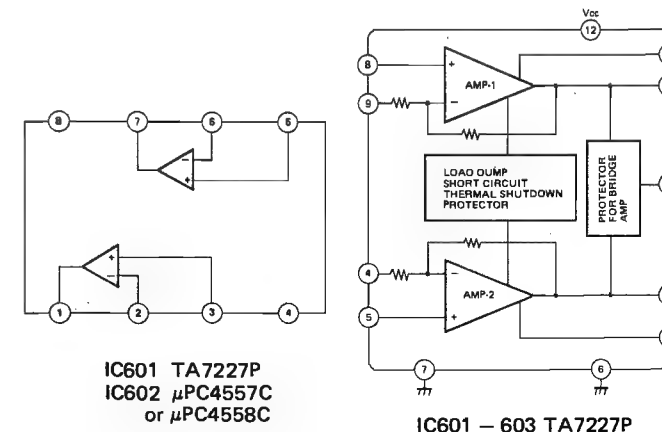
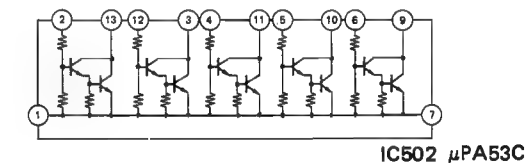
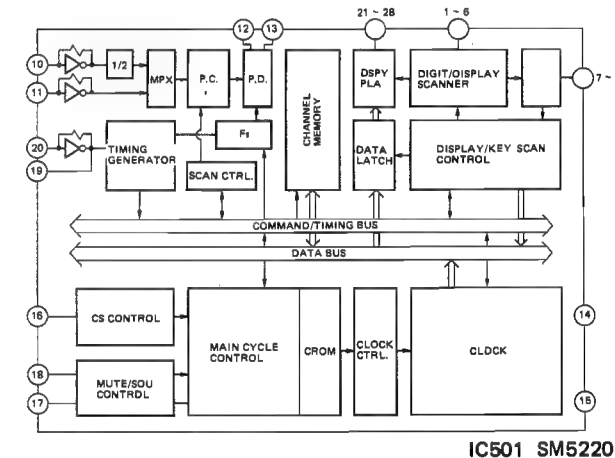
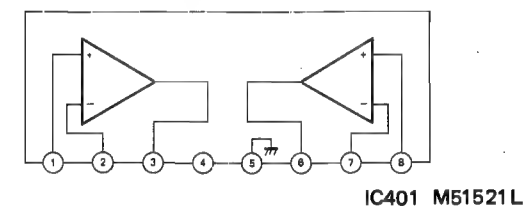
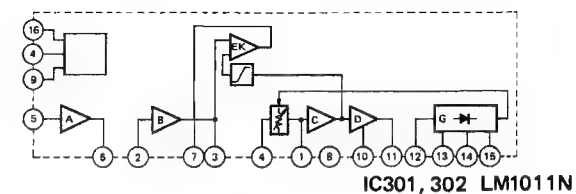
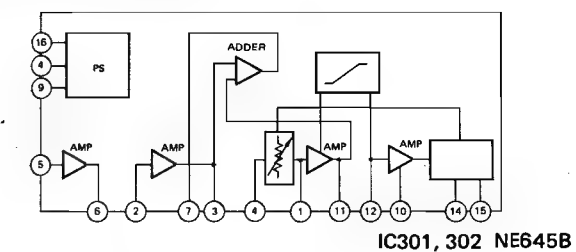
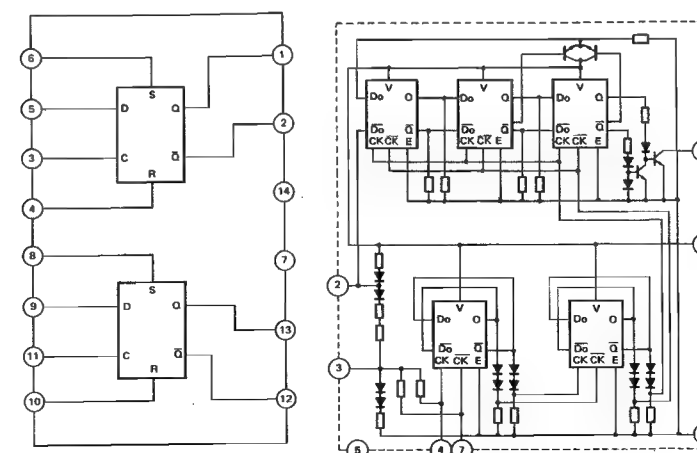
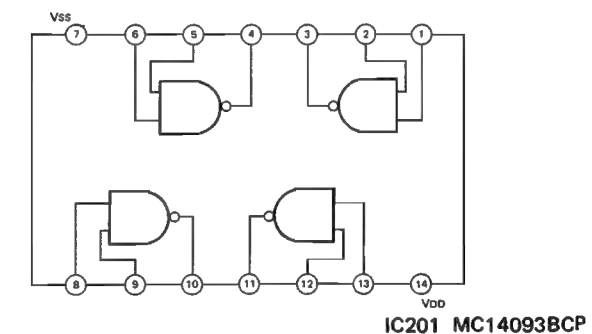
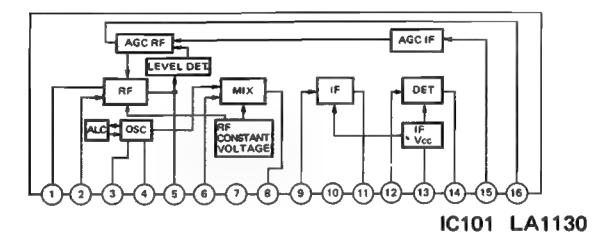
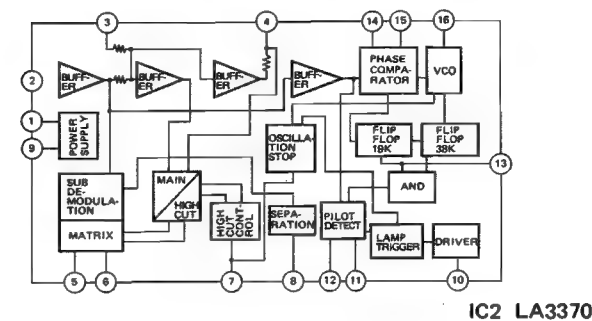
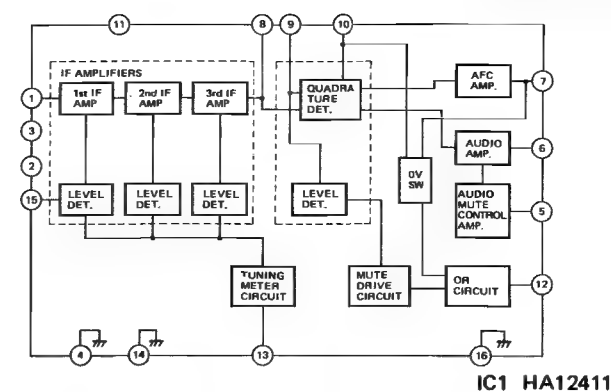
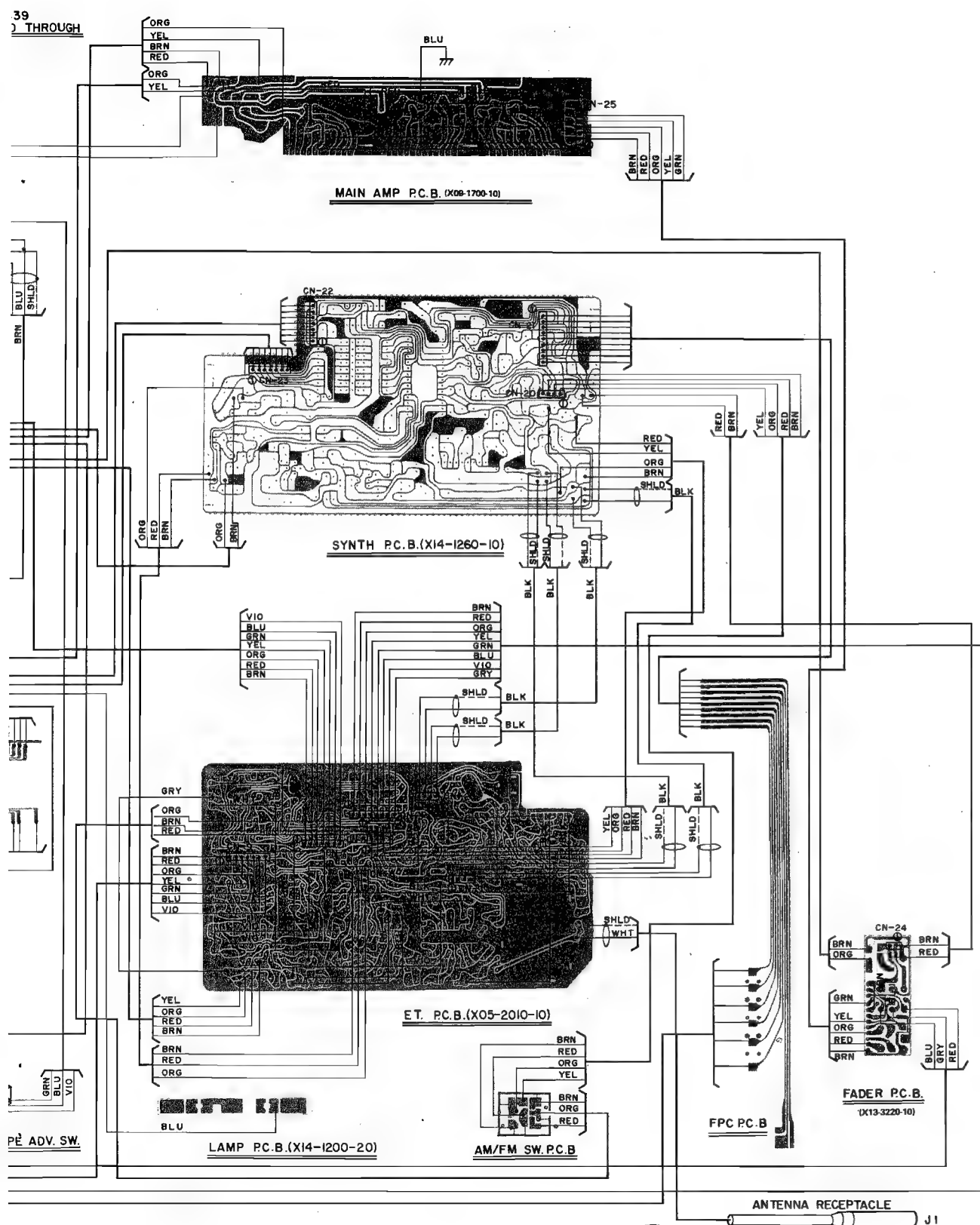
Ref. No.	Part No.	Description	Remarks
110	H01-3156-18	Carton, Pkg. (Ind.)	*
111	---	Carton, Pkg. (Master)	
112	---	Pad, Packing	
113	---	Assy., Kit Wire Installation	
113-1	E30-0665-08	Assy., Speaker Kit Wire (Rear)	
113-2	E30-0666-08	Assy., Speaker Kit Wire (Front)	
113-3	F05-7022-05	Fuse (7A)	
113-4	F05-3022-05	Fuse (3A)	
113-5	H25-0183-08	Sack, Poly.	
114	H10-1566-08	Tray, Packing	
115	H10-1567-08	Tray, Packing	
LABEL			
	B40-1567-08	Label, Composite	
	---	Label, Dolby	
	---	Label, Frequency	
	---	Label	
	---	Card, Success	



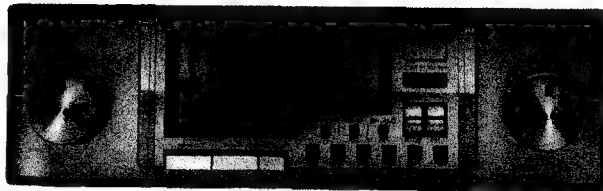
WIRING VIEW OF CM7TR070



IC SCHEMATIC DIAGRAM



KRC-711



SPECIFICATIONS

FM Tuner Section

Intermediate Frequency	10.7 MHz
Frequency Range	88.1 - 107.9 MHz
Tuning Steps	200 kHz
Sensitivity (Mono, 3% Distortion at 98.1 MHz)	14.8 dBf
50 dB Quieting Sensitivity (Mono at 98.1 MHz)	18.4 dBf
Signal to Noise Ratio (Mono at 98.1 MHz)	62 dB
Selectivity (at 98.1 MHz)	65 dB
Capture Ratio (at 98.1 MHz)	1.5 dB
Image Rejection Ratio (at 106.1 MHz)	80 dB
IF Rejection Ratio (at 90.1 MHz)	80 dB
Frequency Response (-3 dB)	50 - 15,000 Hz
Stereo Separation (at 1 kHz)	40 dB

AM Tuner Section

Intermediate Frequency	450 kHz
Frequency Range	530 - 1,610 kHz
Tuning Steps	10 kHz
Sensitivity (20 dB S/N at 1,000 kHz)	40 μ V
Signal to Noise Ratio (at 1,000 kHz)	45 dB
Image Rejection Ratio (at 1,400 kHz)	50 dB
IF Rejection Ratio (at 600 kHz)	80 dB
Frequency Response (-6 dB)	50 - 2,200 Hz

Tape Section

Tape Speed (Test Tape: MTT-111)	4.76 cm/s \pm 1%
Wow and Flutter (JIS WRMS, Test Tape: MTT-111)	0.12%
Signal to Noise Ratio (Test Tape: MTT-112)	
Dolby ON	58 dB
Dolby OFF	54 dB
Frequency Response (-3 dB, Test Tape: MTT-216)	40 - 10,000 Hz
FF and REW Time (C-60)	75 sec

Pre AMP Section

Bass (100 Hz)	\pm 10 dB
Treble (10 kHz)	\pm 10 dB

Power AMP Section

Power Output (per channel)	
at 10% THD	6W(Front), 18W(Rear)
at 1% THD	3.6W (Front), 9.3W (Rear)
Load Impedance	4 ohms

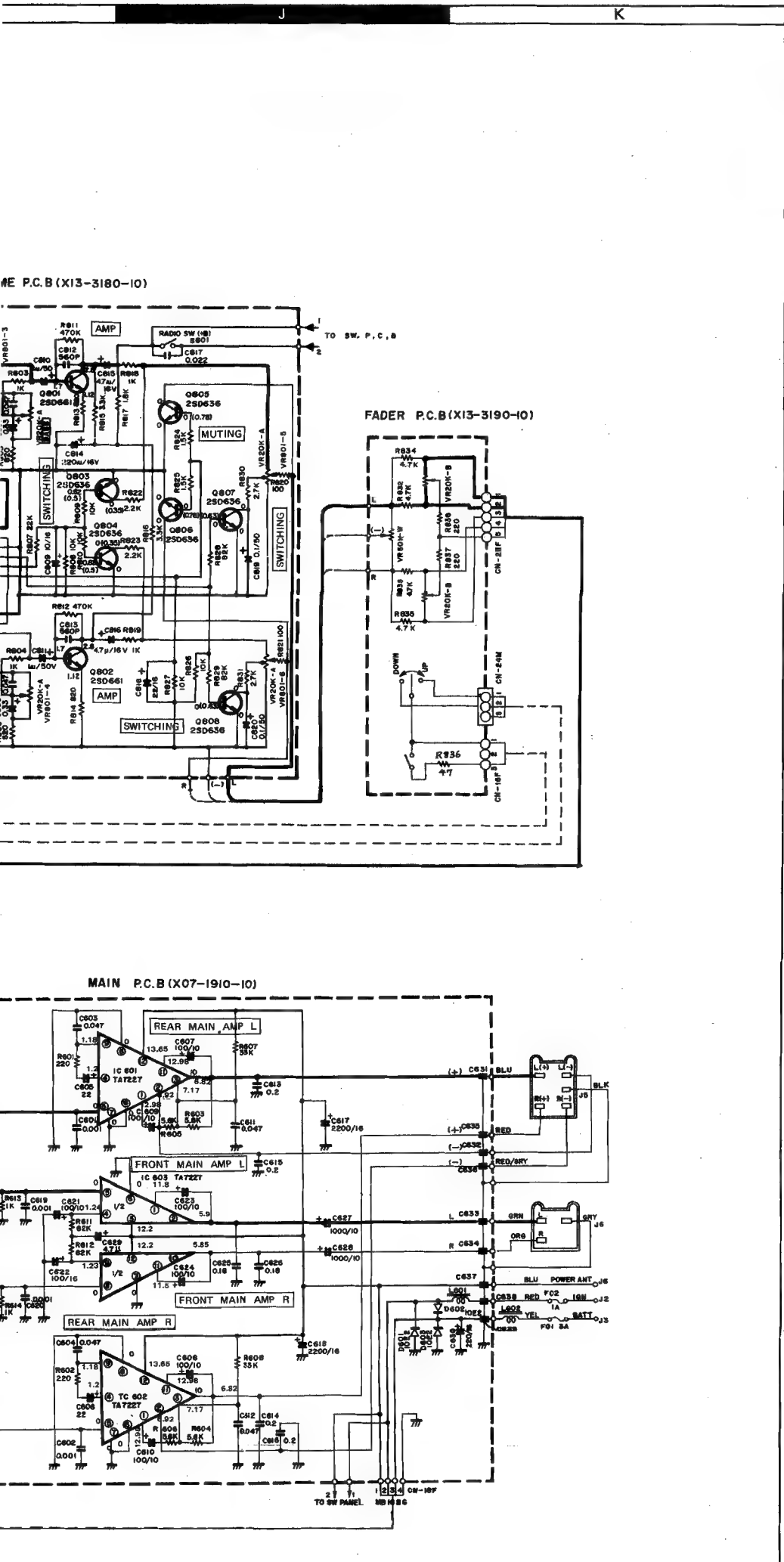
General

Operating Voltage	DC 13.8V
	Negative Ground
Dimensions (WxHxD)	180x70x144 mm
Nose Size (WxHxD)	105x44.5x45 mm
Weight	2.3 kg

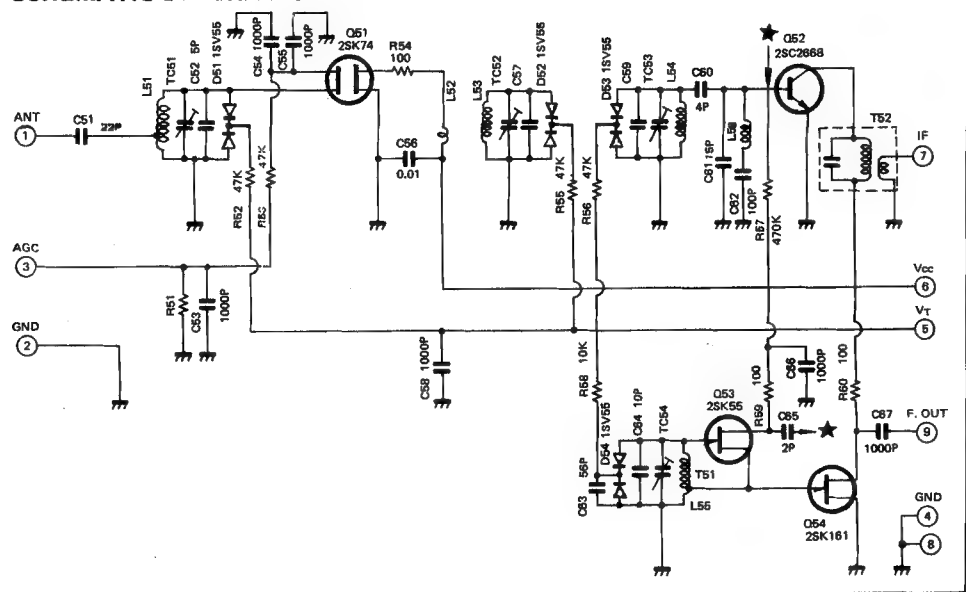
Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

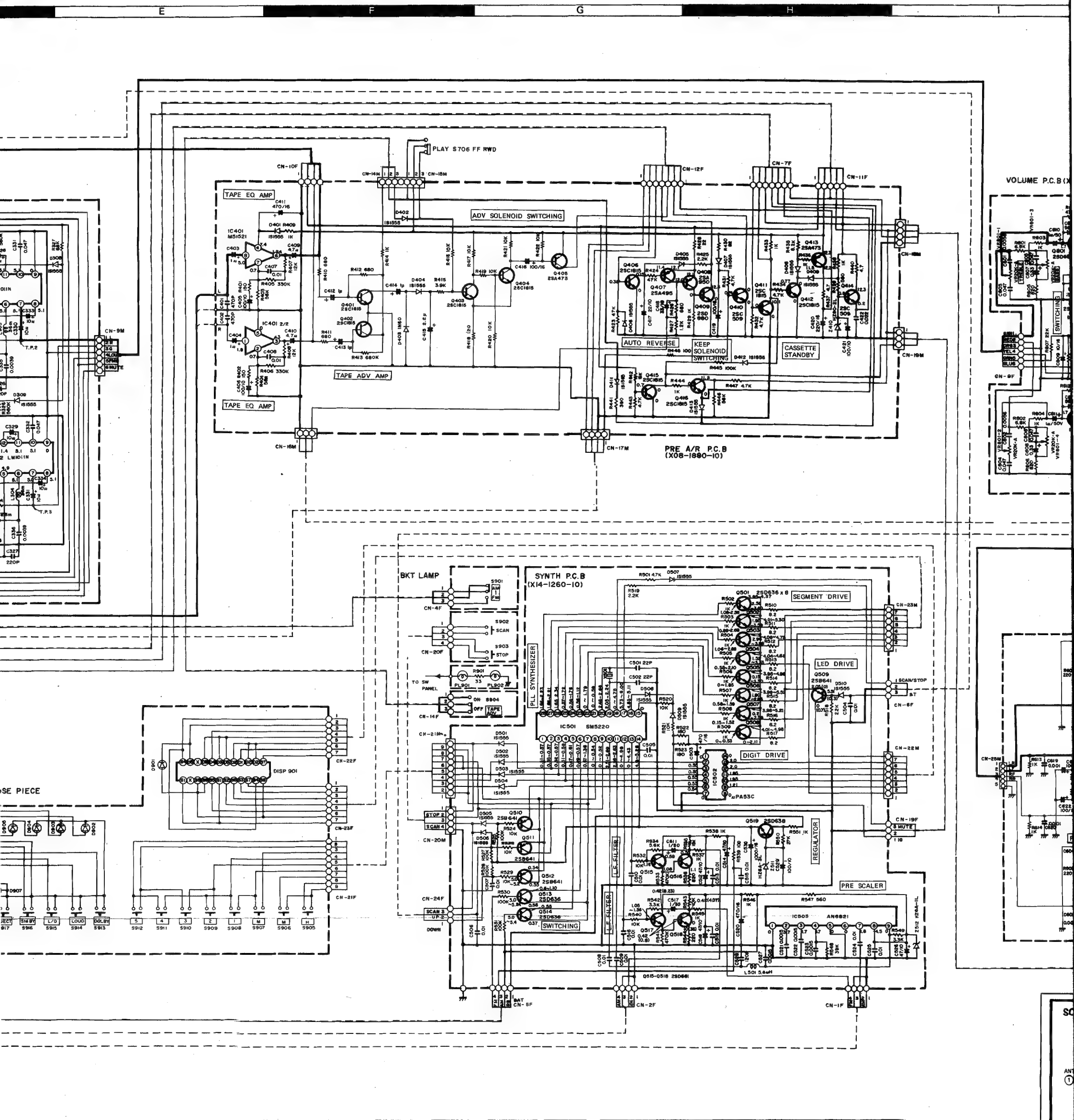
Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison les spécifications sont sujettes à modifications sans préavis.



SCHEMATIC DIAGRAM OF FM TUNER



CASSETTE RECEIVER



2SC509

2SC945
2SA950
2SC1815

2SA473
2SD880

2SA495

2SD636
2SD638
2SB641
2SD661

2SK212

2SK195

M51521L

TA7227P

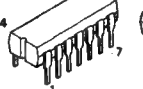
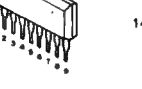
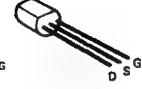
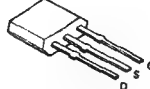
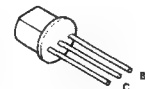
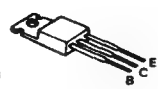
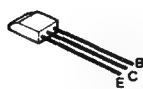
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LA3370

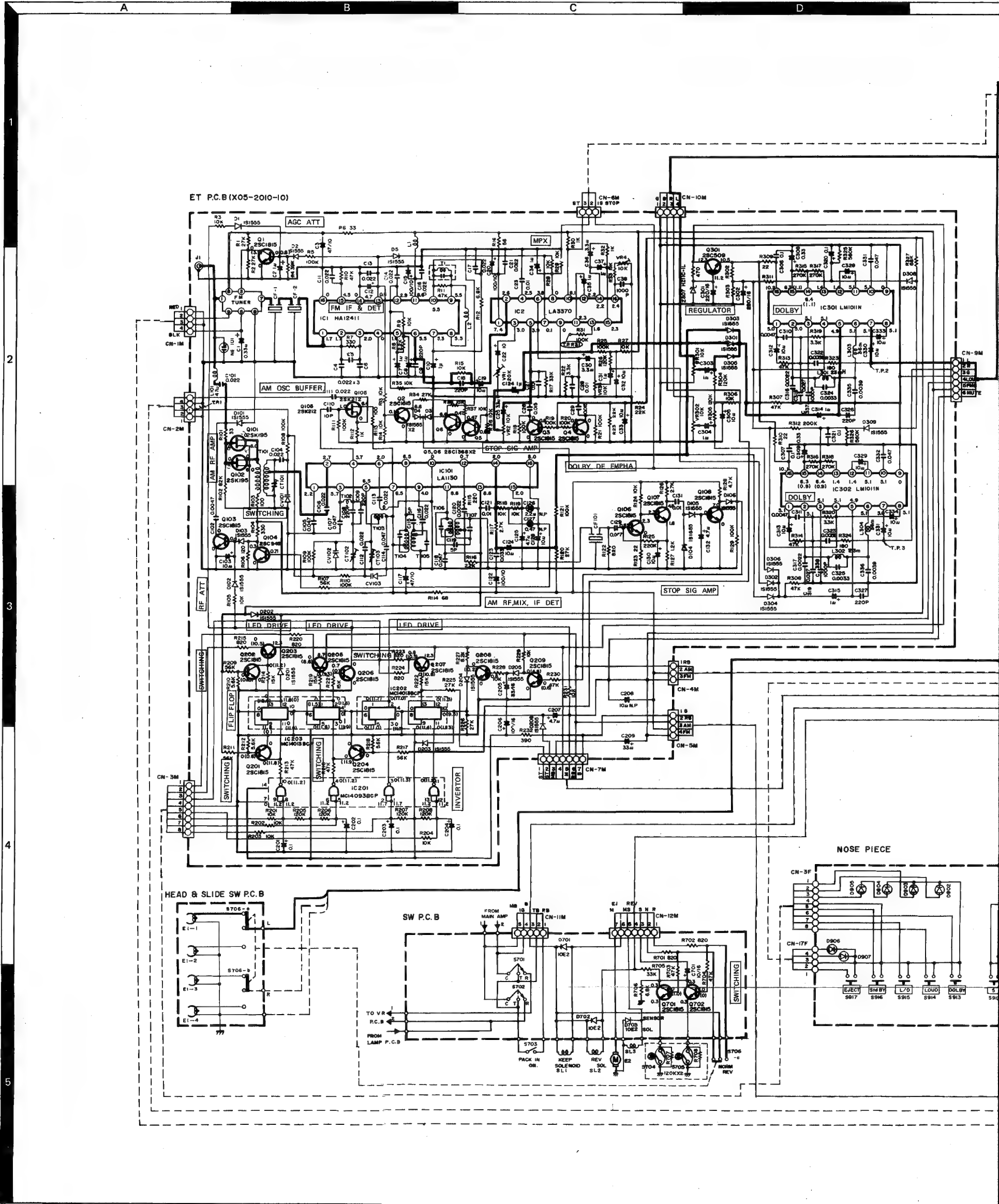
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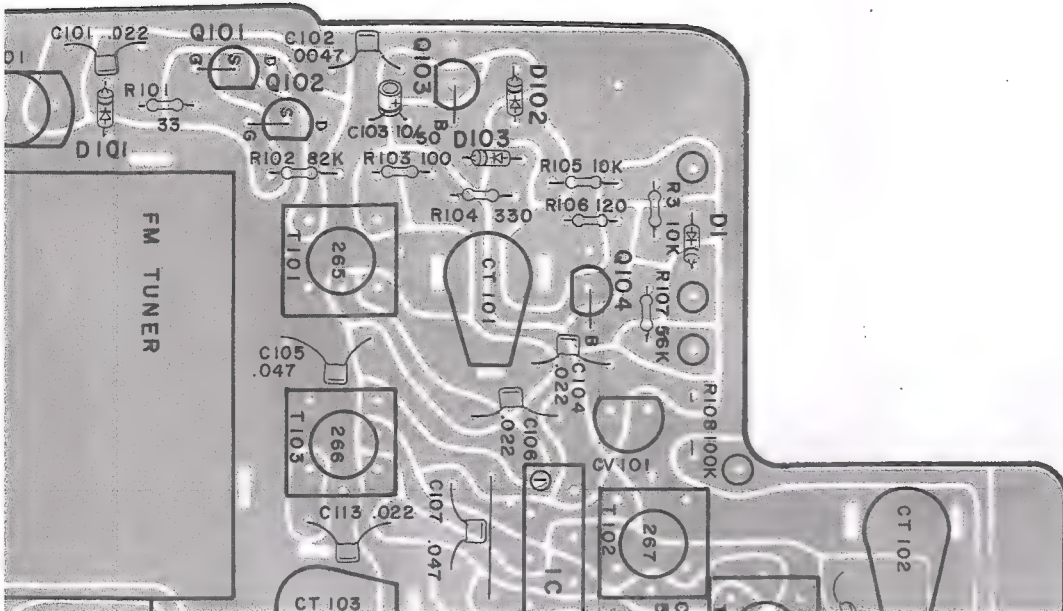
μPA53C

NE645B





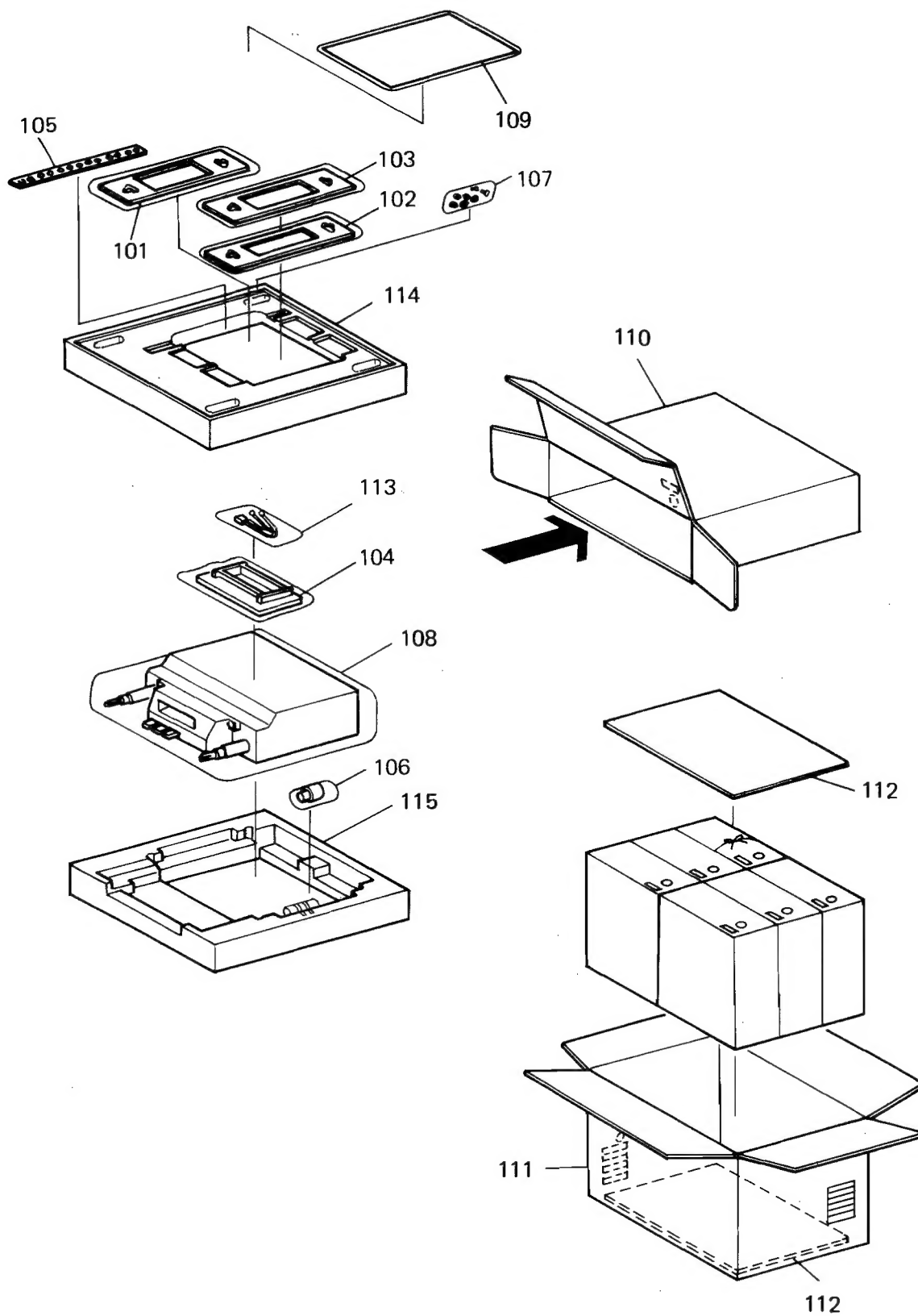
- **ET P.C.B. (Top View) (X05-2010-10)**



PRINTED CIRCUIT BOARD

Q 204

PACKING METHOD



A product of
TRIO-KENWOOD CORPORATION
6-17, 3-chome Aobadai Meguro-ku Tokyo 153, Japan

KENWOOD ELECTRONICS, INC.

1315 E. Watsoncenter Rd, Carson, California 90745, U.S.A.
75 Seaview Drive, Secaucus, New Jersey 07094, U.S.A.
1098 North Tower Lane Bensenville, Illinois 60106, U.S.A.

TRIO-KENWOOD ELECTRONICS, N.V.

Leuvensesteenweg 504 B-1930 Zaventem, Belgium

TRIO-KENWOOD ELECTRONICS GmbH

Rudolf-Braas-Str. 20, 6056 Heusenstamm, West Germany

TRIO-KENWOOD FRANCE S.A.

5, Boulevard Ney, 75018 Paris, France

TRIO-KENWOOD SVENSKA AB

Kemistvagen 10A, S-183 21 Taby, Sweden

TRIO-KENWOOD (AUSTRALIA) PTY. LTD.

30 Whiting St. Artarmon, N.S.W. 2064, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Room 501, Wang Kee Building, 5th Floor, 34-37, Connaught Road, Central, Hong Kong